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Survey of Boston Metropolitan District

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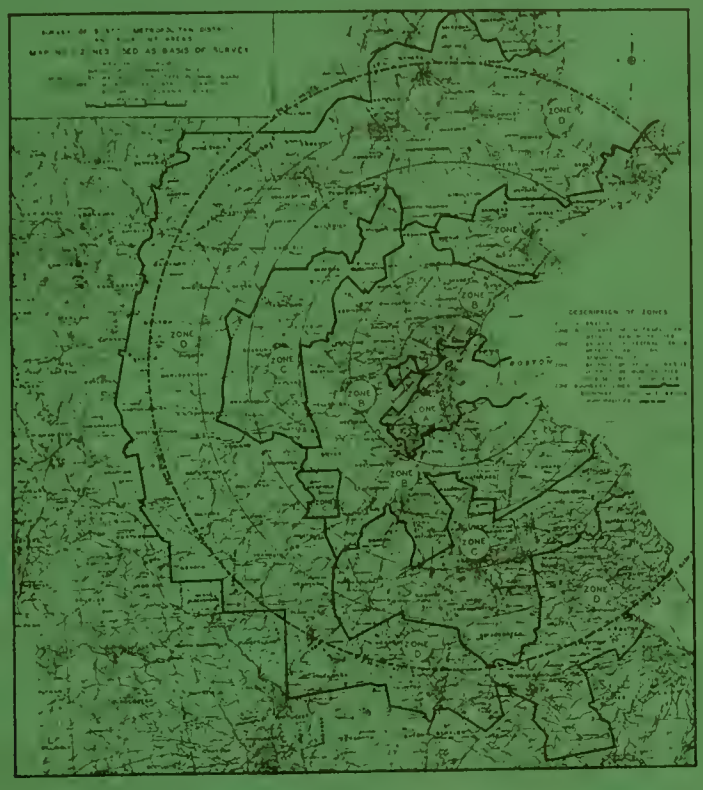

W P A PROJECT 18151

Survey of Governmental Units

SPONSOR

MASSACHUSETTS STATE PLANNING BOARD

Co-Sponsors

METROPOLITAN DISTRICT COMMISSION

BOSTON CITY PLANNING BOARD

JUNE 6, 1940

R E P O R T

ON

SURVEY OF GOVERNMENTAL UNITS

W.P.A. PROJECT NO. 18151

SPONSOR

MASSACHUSETTS STATE PLANNING BOARD

CO-SPONSORS

METROPOLITAN DISTRICT COMMISSION

BOSTON CITY PLANNING BOARD

June 6, 1940

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The Commonwealth of Massachusetts
State Planning Board
State House, Boston

—also, Authorized by Chapter 278 of the Acts of 1936 to act jointly with commissions or individuals designated by other New England States and New York in formulating compacts for the development and improvement of natural waterways common to any two or more of said states.

June 10, 1940

Honorable Arthur W. Hollis, Chairman
Special Legislative Commission on Functions and
Activities affecting the Cities and Towns within
the Several Metropolitan Districts
Boston, Massachusetts

My dear Senator Hollis:

I hand you herewith the result of the Survey of Governmental Units, WPA Project No. 18151, being a survey of the Boston Metropolitan District and adjacent areas. The major purpose, as stated in the project application, was to collect, from existing sources, correlate and summarize information concerning the Boston Metropolitan area that will provide a factual basis on which to determine the equitable apportionment of costs of highways, of parkway and other recreational features, and of water and sewer services, among the cities and towns thereof and the State.

This project was sponsored by the State Planning Board, with the co-sponsorship of the Metropolitan District Commission and the Boston City Planning Board, in order to provide the Special Legislative Commission created under the provisions of Chapter 71 of the Acts of the year 1938 and continued under Chapter 30 of the Acts of the year 1939 with certain factual material which it needed as a basis for its conclusions and which was not otherwise available.

The project has been carried out under the direction of William Stanley Parker, who has acted as the sponsors' Supervisor of the project. His letter of submittal is appended hereto, together with the detailed report of the project which is transmitted to you for the use of the Commission.

Sincerely yours,

Elisabeth M. Herlihy

(Miss) Elisabeth M. Herlihy
Chairman

EMH:M

WILLIAM STANLEY PARKER, F.A.I.A.
ARCHITECT
120 BOYLSTON STREET, BOSTON
MASSACHUSETTS

Miss Elisabeth M. Herlihy, Chairman
State Planning Board,
State House,
Boston, Massachusetts

SURVEY OF GOVERNMENTAL UNITS
W. P. A. Project 18151

My dear Miss Herlihy:

I beg to submit to you herewith the final report of W.P.A. Project 18151, Survey of Governmental Units, which has been carried out under the Sponsorship of the State Planning Board, with the Co-Sponsorship of the Metropolitan District Commission and the Boston City Planning Board.

By agreement of the three sponsoring bodies, I have acted as Sponsor's Supervisor, the survey having been carried out under my general direction. The work has been done under the continuous personal direction of Simon Krixtein, Project Supervisor, whose long experience and training in statistical work has been of great value to the Project.

As you know, this project was initiated after consultation with various persons who later were asked to serve as an Advisory Committee the personnel of which is listed on a following page. The Advisory Committee has had several meetings and some of the members have assisted individually through conferences on special problems. I wish to express my appreciation for this assistance.

The purpose of the Project was to secure data that might assist the Special Legislative Commission on Functions

and Activities affecting the Cities and Towns within the several Metropolitan Districts. Its function was to provide facts, not conclusions. These facts are presented in the following pages by means of tables, charts and maps, including a statement by Mr. Krixtein outlining the statistical procedure followed in each phase of the survey.

In a Foreword, I have ventured to summarize briefly some of the principal indications of these statistics, in order to assist those who may desire to study this report in their approach to a rather formidable series of tables. These suggested indications merely point out certain trends and comparisons that appear in the statistical results of the survey. No attempt is made to translate these indications into terms of financial or administrative policy. If the material here presented assists the Special Commission in performing that task, then the purpose of this "Survey of Governmental Units" will have been accomplished.

In closing, I would like to express my appreciation of the generous assistance received from you and from Commissioner Hultman throughout the survey. The project is also indebted to the State Department of Public Works and the Boston Traffic Commission for much of the basic data and helpful cooperation. I also express my appreciation for the help and cooperation received from Mr. Harold G. Dunney, Director of Professional Projects, and other representatives of the Work Projects Administration.

Very truly yours,

William Stanley Parker

William Stanley Parker
Sponsor's Supervisor

June 8, 1940.

SURVEY OF GOVERNMENTAL UNITS
W.P.A. Project 18151
115 Federal Street
Boston, Mass.

June 6, 1940

Mr. William Stanley Parker
Sponsor's Supervisor
120 Boylston Street
Boston, Massachusetts.

My dear Mr. Parker:

I am herewith submitting to you the final report on the Survey of Governmental Units, W.P.A. Project #18151, sponsored by the Massachusetts State Planning Board with the co-sponsorship of the Metropolitan District Commission and the Boston City Planning Board.

This project began its operations on February 6, 1939, when I assumed the position of Project Supervisor charged with the responsibility of immediately directing all its administrative and technical activities. The personnel employed ranged from fourteen (14) to one hundred and ten (110) with an average of fifty five (55).

As you know, the project was essentially a survey of the Boston Metropolitan District and its adjacent areas. Its major purpose was, as stated in the contract entered into by the various Sponsors and the Work Projects Administration, "to collect, correlate and analyze information concerning the Boston Metropolitan area that will provide a factual basis on which to determine the equitable apportionment of cost of highways, of parkways, and the other recreational features, and of water and sewer services, among the cities and towns thereof and the State".

With this purpose in mind, statistics have been collected on population, assessed valuation, highway expenditures, origin and growth of traffic, and extent of use of recreational resorts. With the exception of the recreation phase of the survey, these statistics were gathered from existing sources, covering a period long enough to indicate their trends and inter-relationships. In the case of the recreational phase of the survey, for which no existing data were found available, a field survey was organized with the purpose of collecting original valid statistical data permitting an analysis of the geographical distribution of the people using certain recreational resorts in Boston and the Metropolitan District.

The area under study covered the one hundred and forty nine (149) cities and towns cut or enclosed by a circle with a thirty (30) mile radius centered at the State House in Boston. To permit a study of the Metropolitan problems involved, these towns have been classified into four (4) Zones, and all the statistical data have been correlated and analyzed from their point of view.

In the following pages, I have presented in great detail the statistical procedure and technique employed in the collection, correlation and analysis of these statistics, as well as the purpose and scope of each phase of the survey. In the pages following this discussion are presented the statistical tables embodying these data together with a number of charts and maps indicating certain obvious trends and relationships.

In closing, I wish to express my extreme gratification at having had the opportunity of working in close association with you. Our frequent meetings have been highly instructive and inspiring, and your general direction of the project as its Sponsor's Supervisor is primarily responsible for its successful operation.

I also wish to express my appreciation to the representatives of the Work Projects Administration and of the Sponsors for their splendid cooperation, and particularly to Mr. George F. Burrows, Field Engineer of the State-Wide W.P.A. Projects, through whose cooperation I was provided with the necessary personnel to carry on the work of the Survey. Acknowledgement is also made for the helpful cooperation given to this project by the various governmental departments in making available much of the basic statistical data.

I sincerely hope that the material presented in the report will serve the purpose for which the project was initiated.

Very truly yours,

Simon Krixtein

Simon Krixtein
Project Supervisor.

SK/MS

SURVEY OF GOVERNMENTAL UNITS

W.P.A. Project 18151

T A B L E O F C O N T E N T S

Boards, Commissions, and Supervisory Personnel

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Statistical Technique By Simon Krixtein

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BOARDS, COMMISSIONS AND SUPERVISORY PERSONNEL

IN THE

SURVEY OF GOVERNMENTAL UNITS

W.P.A. PROJECT 18151

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Sponsor's Supervisor
William S. Parker

Project Supervisor
Simon Krixtein

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* Special Legislative Commission on Functions Affecting the Cities and Towns Within the Several Metropolitan Districts, created by Chapter 71 of the Resolves of 1938.

SURVEY OF GOVERNMENTAL UNITS
W.P.A. Project 18151

FOREWORD

By
William Stanley Parker
Sponsor's Supervisor

1. Purpose of Foreword

This foreword is intended to be merely an introduction to the statistical data that follow. It aims only to outline briefly the separate phases of the survey, to call attention to the principal tables that summarize the results and to point out certain trends and comparisons that appear in the statistics, without in any way attempting to translate these indications into desirable financial or administrative policy. This latter function is the responsibility of others.

2. The Statistical Elements

The survey involves statistical analyses of the following four factors:

1. Population and Assessed Values.
2. Highway Expenditures.
3. Traffic Flow.
4. Use of Recreation Resorts.

Statistics for the first three of these factors were available from sources explained in the report. Statistics for the Use of Recreational Resorts did not exist, except in one case, and were collected in the field as part of the survey, the original Project being enlarged to provide the substantial increase in personnel required for this work.

3. The Geographical Basis

The statistics in each case are related to four Zones as follows, as shown on Map No. 1.

Zone A. Boston

Zone B. The remainder of the Metropolitan District. (42 Cities and Towns.)

Zone C. The remainder of the Federal Census Metropolitan District. (37 Cities and Towns.)

Zone D. The remainder of the cities and towns cut or enclosed by a circle with a 30 mile radius centered at the State House in Boston. (69 Cities and Towns.)

The four zones thus embrace a total of 149 cities and towns.

The reasons for the adoption of these four Zones are as follows. The purpose is to provide data by which to determine a fair distribution of certain common costs of government between Boston and neighboring communities. The Boston Metropolitan District is a recognized area. Likewise the Federal Census Metropolitan District is an accepted basis for statistics, considerably larger in area though less so in population.

A radius of 30 miles, to determine the enclosing area, was selected in order to make the area as large as possible without including Worcester, which constitutes another major centre lying outside of the Boston Metropolitan area. It is an arbitrarily selected dimension that seemed best suited to the purpose of the survey.

Brief comments follow on the statistical data relating to each of the four factors studied.

4. Population and Assessed Values.

The basic data for population and assessed values will be found on Tables 1 and 2 but Table 3 gives the summaries for the four Zones and the percentage distribution among the Zones. No detailed analysis of these figures is necessary but a few indications may be pointed out.

Population

It should first be remarked that the 1935 population is according to the State Census, the other years referring to the Federal Census. The different method of collection by the State provides some inevitable difference in results and other State Censuses give intermediate counts that are somewhat out of line with the prior and succeeding Federal counts. The percentage relation between the 1930 and 1935 counts here recorded cannot therefore be given too much weight.

The reduced rate of increase in recent years is clearly shown with a few important variations in trend among the zones. From 1890 to 1930 the change is greatest in Zones A and D. Zone A drops from a 25% increase in 1900 to a 4.4% increase in 1930; while the rural Zone D drops from a 20.7% increase to a 0.5% increase. In comparison, the increase in Zone B drops only from 36.8% to 25.5% and Zone C drops from 17.9% to 9%.

These figures would seem to suggest that the often remarked tendency of decentralization involves a rather limited movement from the inner metropolitan centre to its nearer adjacent areas; while the population of the rural fringe of the metropolitan district has become almost static, indicating possibly a similar tendency to migration inward towards the intermediate metropolitan area.

The table showing the distribution of population among the four Zones reflects the trends just referred to. No very marked shift in the percentage relationships appears, merely a slight drop in Zone A and corresponding increase in Zone B, Zones C and D maintaining a practically steady share of the population of the total area.

Chart No. 1 shows graphically the population of the four Zones in 1920, 1930 and 1935. It illustrates the relative stability of population in Zones A, C and D since 1920 and the much more rapid growth of population in Zone B from 1920 to 1930, which however shows a marked slowing up since 1930. The fact that the 1935 population is according to the State Census should be remembered here, as noted above.

Assessed Values

The trends in assessed values are the result of more complicated human decisions and the changing rates of increase show response to economic conditions and political actions as well as to trends in population. The sudden increase in the rate of growth of assessed values between 1920 and 1930 is symptomatic of that boom period and the actual net decline during the next five years may be accepted as an indication not only of a depression but of the undue inflation of values during the preceding decade.

The trend in the percentage distribution of assessed values among the four Zones is similar to the trend just noted in the distribution of population, only the decrease in Zone A and the increase in Zone B are proportionately greater, Zone A decreasing about a sixth and Zone B increasing nearly a third in their shares of the total assessed

values of the entire area.

General Comments.

For the purpose of this study the changes since 1890 are of interest.- When the Metropolitan Park District was established in 1893 its population (Zones A and B), using the 1890 census figures, was 907,691 as compared to 543,259 for the total of Zones C and D. It then constituted 62⅔% of the total of the four Zones. In 1935 Zones A and B had a population of 2,021,670 while Zones C and D had a population of 899,070, the Metropolitan District (A and B) then constituting 69% of the total.

In the matter of assessed values the Metropolitan District held 77% of the total in 1890 and the same in 1935. Its valuation failed to increase in proportion to its population, compared to the area as a whole, in spite of the growth of the value of the Boston downtown business area which formed the business focus for the whole region. Per capita value in the Metropolitan District increased 28.6% (from $1390 to $1788). In Zones C and D it increased 71.5% (from $688 to $1180). It is perhaps correct to relate these facts to the larger number of low-income families and the depreciated low rental areas characteristic of the older sections of Boston.

5. Highway Expenditures

Expenditures on highways in the four Zones are tabulated according to the source of funds and the distribution of expenditures in each category according to Zones. There are three sources of funds, 1. The State Highway Fund, 2. Metropolitan District Funds, and 3. Local Tax Funds.

The State Highway Funds are in part spent for construction and maintenance of local roads in cooperation with the municipalities, in accordance with the provisions of Chapter 90 and Chapter 81 of Revised Laws. These expenditures are separately tabulated. The remainder of the Highway Fund is spent for construction and maintenance of state roads.

A small error of duplication remains in the figures for Local Expenditures as given, for the following reason. Part of the Chapters 90 and 81 funds are expended through the State for overhead expenses. The balance is spent through the cities and towns and appears also in the figures for Local Expenditures. On the other hand, certain local expenditures on county roads are made through the County Commissioners. These are actually local funds but do not appear in the Local Expenditures for highways as recorded. These two errors offset each other but not exactly, the local expenditures of Chapters 90 and 81 funds being somewhat greater than the omitted county expenditures. This error could not be entirely eliminated as explained in the report, but is not sufficient to impair the usefulness of the figures for the purpose of this study, in which general magnitudes and trends are principally significant.

Chart No. 1 makes clear the outstanding fact that prior to 1930 a negligible amount of state highway funds was spent in Zone A, Boston. Chart No. 2 shows the trend of state expenditures in the various Zones from 1920 to 1935. This chart indicates not only the growth in the total State Highway Fund expenditures but also the increasing proportion spent in Zones A and B. This chart shows clearly the increase in local

highway expenditures, especially in Zones A and B, between 1920 and 1930 with a reduction in 1935 almost to the 1920 level.

The chart indicates the similar trend in Metropolitan District expenses and also their small magnitude compared to the state and local expenditures.

Chart No. 1 shows the simultaneous reduction of local expenditures in all four Zones from 1930 to 1933 and their subsequent increases. State Highway Expenditures do not show any downward trend but a steady increase in the total especially since 1930. Metropolitan District expenditures show relatively slight variations except for an abnormal peak in 1929, caused by the Northern Artery.

Charts No. 3 and 4 show the different relationship of local highway expenditures to population and to assessed valuation. Chart No. 3 shows that there is relatively little difference between the four Zones in per capita expenditures.

In 1920 the range is from					$	7.13 to	$ 8.35
In 1930	"	"	"	"		10.48 to	12.14
In 1935	"	"	"	"		6.86 to	9.47

Also there is no uniformity between the Zones, the highest being Zone C in 1920, Zone A in 1930, and Zone C in 1935.

Chart No. 4 shows, by contrast, that the local expenditure per million dollars of assessed valuation is, with one exception, uniformly less in the inner districts being in each case least in Zone A.

It may be reasonable to conclude from these two charts that on a per-capita basis, the more expensive type of street construction required in the more densely settled areas is offset by the larger

number of people per unit length of street; while on the valuation basis, it would appear that in the outlying districts the cost of the street per front foot did not shrink as greatly as the assessed valuation per front foot.

Chart No. 5 shows the percentage relationship in the different zones between the funds from the various sources. Here again is clearly indicated the increasing importance of state funds in Zones A and B. Even in 1930 State Funds were less than 1% of the total expenditures in Zone A while in 1935 they constituted 13.73%. In Zone B they constituted 4.66% in 1920 and 32.15% in 1935.

Chart No. 6 shows the trend of expenditures from each source in each Zone from 1920 to 1936, and Chart No. 7 the same in percentages of the Zone total each year. These supplement the indications of Charts 2, 3, 4 and 5, which are related only to the three years of 1920, 1930, and 1935, and give a continuous indication of the changes in the distribution of state expenditures in the four Zones. From 1932 to 1936 in Zone B state expenditures became an important factor, and in Zone A they give promise of becoming increasingly important.

Chart No. 8 shows, cumulatively, State Highway Expenditures in each Zone and the total for each year from 1920 to 1936, and also the percentage of the total spent in each Zone each year. This chart shows clearly the rapid and almost continuous rise in annual total state expenditures. In 1928-29 and again in 1932-33 the expenditures dropped below the preceding years, for different reasons that need not

be discussed here, but in each case the upward trend was resumed until the total in 1936 amounted to more than six times the expenditures in 1920.

The percentage distribution among the four Zones is of special interest to this study. Up to 1931 about 25% of the total was spent in the Metropolitan District (A and B). Since 1931 about 55% was spent in the Metropolitan District. In Zone A, Boston, except for the Old Colony Boulevard built in 1927, a negligible amount of state funds was spent until 1932, since when an average of about 8% of the State Expenditures in the four-Zone area has been in Boston, the percentage rising to 10% in 1936. This chart repeats in a different way the indications of charts 2 and 5 already referred to.

Map No. 2 gives an indication of the geographical distribution of State and Metropolitan District Expenditures. State Highway expenditures through Chapter 90, being for local roads are spread quite evenly throughout Zones B, C, and D, as shown in yellow. Expenditures on state highways, shown in red, are seen to be predominantly on radial routes facilitating the movement of traffic to and from Boston. Metropolitan District Expenditures are almost entirely outside of but close to the boundaries of Boston, serving to connect various state highways with the inner street system of the city.

Map No. 3 shows at a larger scale the boundaries of Boston, with the ends of the main state highway radial routes in red and Metropolitan District thoroughfares in green. Within the city limits are indicated in orange the major city streets that carry the traffic into and away from the business hear of the city and also certain

streets that are important as circumferential routes carrying traffic across the city. These orange routes constitute the backbone of the city street system represented by the Local Expenditures in Zone A.

6. Traffic Flow

The study of traffic flow sought to discover the growth of radial traffic originating in each Zone. It is quite obvious that this growth is not susceptible of exact measurement. For the purposes of this study, however, relative trends in the four Zones would be more significant than exact quantitative measurements. Also, circumferential traffic within a Zone would be less significant than radial traffic moving from Zone to Zone on its way into and out from the central Boston area.

With this in mind a group of radial highways was selected that merged together in various ways to form thirteen major traffic flows, as shown on Map No. 4, embracing the large majority of all radial traffic entering Boston. There was no desire to analyze the growth of traffic on the separate routes, and too many shifts of traffic,due to new construction, have taken place to make such a study useful. The study related itself to the growth of traffic in each Zone.

To this end, available traffic counts on these routes, where they crossed the various zone boundaries, were tabulated for the years 1909, 1918, 1927, 1933 and 1936. The counts for the outer boundaries were made available by the State Department of Public Works, counts for Zone A boundary being furnished by the Boston City Planning Board and the Boston Traffic Commission. Various adjustments and assumptions became necessary in order to develop a complete and consistent set of figures

as explained in considerable detail in the report. All that need be said here is that the figures are the best that are available and in spite of their obvious statistical weaknesses, provide data sufficiently accurate to indicate the general trends in the growth of traffic in the four Zones.

The traffic counts are 24 hour counts in both directions. The total traffic counted at the outer boundary of Zone D constitutes the traffic that has its origin or destination outside of the four-zone area under consideration. The total traffic counted at the outer boundary of Zone C is consistently larger than that at the outer boundary of Zone D. The difference between the two constitutes the net result of the traffic developed in Zone D. In a similar way the traffic developed in Zone C and B can be determined. The traffic counted at the boundary of Zone A constitutes the traffic developed by Zone A since it is the central district to and from which the traffic flows and which constitutes the principal cause of the traffic.

Undoubtedly some of the traffic entering Zone D at its outer boundary stops in the Zone, so the amount of traffic originating in Zone D that enters Zone C must be greater than shown in our tables, and similarly with Zones C and B. No data are available to indicate this factor, however, and the net addition to the traffic flow has been used to indicate the traffic that "originates" in each Zone.

These figures are summarized first in Table 27. The following three tables show these figures with their percentage relationship to 1936, their percentage relationship to Zone A Boundary, and their percentage increase over the preceding year.

The figures on these tables are shown graphically in Charts 9 to 14 inclusive so as to show their relative magnitudes and their separate rates of increase, this latter factor being illustrated logarithmically on charts 13 and 14. Charts 14, a, b, c and d, show the trend of traffic growth in each zone together with the trend of highway expenditures in the zone in order to permit comparison of these trends.

The rate at which the traffic has developed at the boundaries of the several Zones is shown on Chart No. 13. Only slight differences appear, perhaps due to the complex relationships within the general area. In any event the close parallelism of the lines indicating the traffic at the boundaries of Zones B, C and D suggests a very uniform development. The only change appears in the reduced rate of increase at Zone D boundary since 1927 and the rather more rapid increase at Zone C boundary. This results in a marked increase in the traffic originating in Zone D which stands out clearly on Chart No. 14.

This provides an interesting field for speculation as to the cause or causes. It indicates that the outer rural areas developed the use of motors more slowly than the wealthier metropolitan district communities, that these latter communities have now about reached the saturation point and that since 1927 the rural areas have begun to catch up relatively.

The figures on Table 30B, showing the percentage increase of each year over the preceding count, tell the story. In Zones A, B, and C traffic more than quadrupled from 1909 to 1918, and more than trebled from 1918 to 1927, but in the next nine years to 1936, it only increased about a third. In Zone D, on the contrary, traffic only trebled in the

first period and gained only 151% from 1918 to 1927, but by 1936 had more than quadrupled its 1927 total.

These figures bear no significant relation to population and assessed value trends. They represent readjustment to a new mode of transportation and living. The city was apparently quicker to adopt the new mode prior to 1909 and until 1927. Since 1909, however, up to 1936, Zones A, B and C have multiplied their traffic 21, 18 and 17 times respectively while Zone D has multiplied its 1909 traffic 33 times.

The upper half of Table 30, giving percentage increase in the traffic at the various Zone boundaries, shows a rather extraordinary uniformity in the percentages for each period. The range for each period is as follows:

From 1909 to 1918 the	%	increase	varies	from	314	to 388
From 1918 to 1927	"	"	"	"	232	to 274
From 1927 to 1933	"	"	"	"	27	to 66
From 1933 to 1936	"	"	"	"	12	to 24

These increases are also shown on Chart No. 13 and, as noted above in commenting on this chart, the uniformity in the rates of increase at these different boundary lines probably results from the interdependence of the various sections of the four-zone area, the increase in traffic being a complex regional trend which is reflected almost uniformly in all the zones. In the last two periods the highest increase refers in each case to traffic at Zone C boundary and accounts for the higher increases in Zone D traffic referred to above, which seem to constitute the only trend that runs counter to the trends in the other zones.

The general uniformity in these trends is also reflected in tables 28 and 29 which show equally steady relationship through the different periods between the percentage relationship of the traffic in the earlier years to that in 1936 in each Zone and at each boundary: and in each year the relation of the traffic in the outer Zones to the traffic in Zone A.

Traffic at Zone A boundary is either going to or coming from one of the outer Zones or beyond and therefore represents the summation of the traffic at Zone D boundary and the traffic originating in Zones D, C and B. This is indicated on Chart No. 12 showing the percentage relationship of each element to the total. Zone A traffic is 50% of the total. Zone B develops about 1/3 and Zones C, D and beyond develop together about 1/6 of the total, this last element increasing to a little more than 1/5 by 1936.

The traffic at Zone D boundary constitutes traffic originating outside the four-zone area. This includes therefore all long distance traffic. Some of this Zone D boundary traffic must be local to that general territory. How large this local element may be is not known. We can only say that the long-distance traffic crossing Zone D boundary with a destination or origin in Boston or elsewhere within the 30 mile radius, must be less than the total traffic at Zone D boundary. This means that we can say that the long distance traffic provides less than 20% of the traffic that enters and is developed within the four-zone area.

In view of the many important potential destinations within this area but outside of Boston, such as Quincy, Brockton, Framingham, Wellesley, Newton, Waltham, Concord, Lexington, Watertown, Cambridge, Lowell, Lawrence, Andover, Lynn and many others, it is probably quite safe to say that long-distance traffic is less than 10% of the traffic that enters and leaves Boston.

This seems to indicate that the important element of traffic that uses the radial State highways within the 30 mile radius district, and that produces the gas tax funds with which they are built, is the intra-region traffic between the many communities within the district. This appears to be the traffic that is crowding our highways, that struggles to get into and through Boston and that needs relief.

7. Use of Recreation Resorts.

The Metropolitan District Commission administers several important recreation resorts. Each of the communities in the Metropolitan District pays its share of the running expenses of these resorts, according to the formulae established by the legislature, based upon population and assessed valuation. Boston's share is about 45%. The people who use these resorts come from nearby, from other parts of the Metropolitan District and to some degree from farther afield.

The question has been raised as to whether the various communities that support these resorts pay more than they ought in relation to their use of them. Is there a State as well as a Metropolitan aspect to these resorts? In addition, the City of Boston maintains certain recreation resorts that appear to cater to a population beyond the city limits.

Is such use suggestive of a Metropolitan rather than a purely local character for these resorts? There were no statistics available on which to base an answer to these questions. This survey undertook to secure such statistics.

A census of the individuals visiting these resorts during some given period would tell the story but appeared impracticable. Automobiles parked at the resorts could be listed according to registration numbers, the residence of the owners discovered and some impression obtained, relatively easily, as to the geographical distribution of the people who come to the resorts by automobiles. This would not tell a complete story but in view of the large number of people who do use this method of transportation it might be of considerable significance and no other method of checking the facts suggested itself.

Accordingly ten resorts were selected at which to carry out a survey of parked motors during the summer period of peak recreational activity. Eight of these were Metropolitan District resorts and two were Boston resorts. The complete list is as follows:-

1.	Nantasket Beach	(Metropolitan District)
2.	Houghton's Pond	(Metropolitan District)
3.	Ponkapoag Golf Club	(Metropolitan District)
4.	Quincy Shore Reservation	(Metropolitan District)
5.	Malibu Beach	(Metropolitan District)
6.	Strandway Beach	(Boston)
7.	Franklin Park	(Boston)
8.	Revere Beach	(Metropolitan District)
9.	Lynn-Nahant Beach	(Metropolitan District)
10.	Middlesex Fells Zoo	(Metropolitan District)

The geographical distribution of these resorts is shown on Map No. 5, the Recreation Survey Base Map. The technique of the survey

is explained in detail in the report. It is sufficient here to say that the registration numbers of parked cars were taken at each resort at predetermined parking areas, the residences of the owners were listed and the total number of cars from each municipality within the four-zone area was determined, and also the number of other Massachusetts cars and of out-of-state cars.

Counts were taken from July 26th to September 10th, 1939, inclusive, a total of 47 days, but not at every resort every day. The more important resorts, that is the beaches, were checked from 31 to 38 days each. Houghton's Pond and the Ponkapoag Golf Club in the Blue Hills Reservation and Franklin Park in Boston were checked 28, 27 and 23 days respectively. A similar count had been taken at the Middlesex Fells Zoo in 1938 and the data being made available to this project, they were used and field work was therefore unnecessary at this resort. For the use of these data the survey is indebted to Mr. Edward L. Bike, State Supervisor, Recreation Study, of the National Park Service and this cooperation is gratefully acknowledged.

Since the counts embraced different numbers of days for the various resorts it seemed desirable to reduce the counts as taken to some uniform basis and a summer season of 90 days was selected for this purpose. The actual number of days the resorts are used exceeds 90 during a season but attendance is small in the early spring or late summer. It is also clear that the counts do not include all the cars that visited the resorts on the days counted as the work was done during a selected period of seven hours each day, when use of the resorts was likely to be the greatest. However, the numbers of all the cars that had already been parked were

secured when the work started each morning, and undoubtedly the number of cars counted represents a large percentage of the total. With these facts in mind the number of cars counted at each resort was increased proportionally to represent a 90 day count assuming the same average number per day. This was done for each separate community and for other Massachusetts cars and out-of-state cars.

In addition to taking registration numbers the number of persons in the car was recorded whenever observed. The average number of persons per car so counted at each resort was applied to the total number of cars estimated for that resort for the full season to determine the estimated number of persons arriving at the resort by motor during the season.

It should be remembered here that the survey sought indications of relative use by the residents of the different Zones rather than the accurate total amount of use of the resort. For this reason the assumptions and adjustments referred to do not impair the value of the statistics for the purpose of this study. The actual number of cars counted, 283,242, is a sufficiently large sample to warrant the assumption that the analysis gives a reasonably accurate indication of the geographical distribution of the people that come to these resorts by automobile.

In using these figures as an indication of relative use it must be remembered that they relate solely to persons going to the resorts by motor. Obviously large numbers go to some resorts by rapid transit. No statistics are available to indicate the number and geographical distribution of these at each resort but some general observations can be made with regard to their probable distribution.

Hardly anyone, other than hikers, goes to Houghton's Pond and the

Ponkapoag Golf Club except by motor. Many may go to the Middlesex Fells Zoo by rapid transit car lines. The bulk of persons going there by motor reside in the section of Zone B north of Boston. It would seem likely that the bulk of persons that might go there by rapid transit would go from this same general area, which would leave the situation substantially as indicated by this survey, as shown on Map No. 15.

Even the larger beaches,- Nantasket, Revere and Lynn-Nahant,- show that the bulk of the people arriving by motor come from relatively near-by communities. Map No. 6 shows that the bulk of Nantasket Beach users come from Boston and the section to the south and west of it. Map No. 13 shows Revere Beach drawing its users markedly from the section of the Metropolitan District just north of Boston. Map No. 14 similarly shows the Lynn-Nahant beach used principally by residents of Lynn and its surrounding communities, with relatively small use as far away as Boston. In all three of these cases no clear reason appears to justify an assumption that rapid transit users would materially affect the results. Pedestrian users would of course accentuate the local factor. A similar analysis of the other resorts would seem to lead to the same conclusion.

Rapid transit users would in no case, presumably, come from outside the 30 mile radius and only from nearby section of Zones C and D. The relative share of total use shown for Zones C and D and by other Massachusetts cars and out-of-state cars must be assumed to be considerable less therefore, than indicated by this survey. The relative share of use by Zones A and B would on the other hand appear to be little affected by rapid transit users.

In the light of this general analysis and lacking any other precise facts it appears to be not only necessary for this survey to base conclu-

sions on the statistics here presented, but also reasonably safe to assume that such conclusions will fairly indicate the facts. A comparison of the use value and the cost of maintenance of these resorts to Boston and to the balance of the Metropolitan District is therefore in order.

The chart on each map indicates the relative use of the resort by Zones. It is not possible to get accurate figures for the annual cost of maintaining some of these resorts as they are merely elements in a larger Metropolitan District account. Houghton's Pond and the Ponkapoag Golf Club are merely items in the Blue Hills Reservation. This is also the case with Malibu Beach and the Quincy Shore Reservation. The Middlesex Fells Zoo is only an item of the whole Middlesex Fells expense. None of these by itself is a very important item in total annual maintenance cost compared to the three principal beaches: Nantasket, Revere, and Lynn-Nahant.

The Metropolitan District Commission estimates that the annual cost of Nantasket Beach for maintenance including policing is approximately $116,000 and the cost of the Revere Beach Division, which includes both Revere Beach and the Lynn-Nahant Beaches, is approximately $235,000. According to Table 35 and the accompanying Chart No. 15, Boston's percentage of use of Nantasket Beach is 25.1%; that of the balance of the Metropolitan District (Zone B) is 43.3%. Boston's percentage of use of Revere Beach is 14.8% and of Lynn-Nahant 8.1%; the average being 11.5%. For Zone B the average share is 65.6%. Boston's share of cost of Nantasket Beach is actually 45%, of Revere Beach Division - 43.9%. On the basis of these figures the following table indicates the relation between actual cost and cost based upon proportion of use, for Zone A and Zone B.

	Cost of Maintenance	BOSTON - ZONE A				BALANCE OF MET. DIST. - ZONE B			
		% Now	% acc. To Use	Present Cost	Cost According to Use	% Now	% acc. To Use	Present Cost	Cost According to Use
Revere and Lynn-Nahant	$235,000	43.9	11.5	$103,000	$27,025	56.1	65.6	$132,000	$154,160
Nantasket	116,000	45*	25.1	53,000	29,116	55.	43.3	63,000	50,228
Total	$351,000			$156,000	$56,141			$195,000	$204,388

* Closely approximate average of two different percentages applying to two portions of the total cost.

These figures indicate a considerable over-payment by Boston and a slight under-payment by Zone B, based upon automobile users only. It might be said that Zone B is paying less than its own share of use leaving it to Boston to carry not only its own use but the use by Zones C and D and the rest of the state and out-of-state.

The adjustment of these figures to take care of other imponderable elements, such as use by rapid transit etc., for which no figures are available, must be made in general terms as a matter of general judgement. The use of these resorts by Zone C and D averages a little more than 12%. Use by other Massachusetts cars and out-of-state cars is about 13.5%. Together they provide a quarter of the use developed by motorists. As already indicated, rapid transit and pedestrian users would tend to reduce substantially the proportion of use by these distant elements. It is not unlikely that it would be less than a tenth of the entire use. This however enters the realm of speculation. If it is deemed fair to assess upon Zone C and D, or sections of them a share of these costs according to their use of the resorts, or upon the State a share representative of the still wider use of them, the statistics here presented can help to form a basis upon which such apportionment can be determined.

In the case of the two Boston resorts, Strandway Beach and Franklin Park, the amount of use by others than residents is substantial, being about 39% at Strandway Beach and 58% at Franklin Park. These percentages would be reduced by rapid-transit users. In both cases the geographical distribution throughout the four-zone area is surprisingly complete, as in the case of the other resorts. Few communities within the area fail to be represented at each resort, and the other Massachusetts cars and out-of-state cars are substantial in number in most cases.

As for Strandway Beach, it has a somewhat less share of Boston use than Malibu Beach does yet Malibu Beach is a Metropolitan Resort and Strandway Beach a Boston Resort. The difference in method of finance is not indicated by any difference in use. Rapid transit users presumably would increase the Boston share of use of Strandway Beach but would not affect greatly the use of Malibu Beach. Should both be financed by the Metropolitan District or should both be financed by Boston? It is not for this survey to decide this question but only to present the statistics.

Equally with the other resorts, the statistics here presented show the relative use of the resorts by the several zones and the extent to which they attract visitors from other section of the state and some from beyond. They constitute the most complete statistics known on which to base any decision as to the most appropriate method for distributing the cost of their maintenance. They are submitted for the use of the Special Commission on the Metropolitan District in the hope that they will be helpful to its purpose.

SURVEY OF GOVERNMENTAL UNITS
W.P.A. PROJECT 18151

STATISTICAL TECHNIQUE

by
Simon Krixtein
Project Supervisor

INTRODUCTION

The major purpose of the survey was to collect, correlate and summarize statistical information concerning the Boston Metropolitan District and adjacent areas, that will provide the Special Legislative Commission* a factual basis on which to determine the equitable apportionment of costs of highways, parkways, recreational resorts,and water and sewer services among the cities and towns thereof and the State. To accomplish this task, the area chosen for the purpose of this study was made to consist of the one hundred and forty nine (149) towns lying within a radius of thirty miles from the State House in Boston, including Boston itself. For each of these cities and towns a group of related statistical data bearing upon this problem has been collected and organized into statistical series, extending wherever it seemed possible and reasonable as far back as 1893, the year when the Metropolitan Park District was organized, in order to facilitate the study of the changes which have taken place in this area as indicated by the analysis of the trends of these series and their inter-relationships. These cities and towns have also been classified into four Zones shown on the basic Map No. 1 according

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* Special Legislative Commission on Functions Affecting the Cities and Towns Within the Several Metropolitan Districts, created by Chapter 71 of the Resolves of 1938.

to their distance from Boston and their Metropolitan status. They are the following:

Zone A. Boston, city limits.

Zone B. Balance of Metropolitan District.
(42 cities and towns.)

Zone C. Balance of Federal Census Metropolitan District.
(37 cities and towns.)

Zone D. Balance of the communities cut or enclosed by a circle with a 30 mile radius centered at the State House in Boston.
(69 cities and towns.)

Each statistical series was summarized according to these four Zones in order to facilitate the study of the changes from a zonal point of view.

The particular statistical series selected for the purpose of the study were those which seemed to be closely related and have a direct bearing upon the problem at hand. They concerned the following:

(a) The trend of population since 1890.

(b) The trend of the changes in assessed property values since 1890.

(c) The trend of expenditures for the construction and maintenance of highways by the State from the State Highway Fund, by the Metropolitan District Commission, and by the Local Governmental Agencies as well as the disposition of the road funds under Chapters 90 and 81 within that area since 1920.

(d) The particular highways constructed by the State Highway Fund, by the Metropolitan District Commission and by the Local Governmental Agencies.

(e) The flow of street traffic into and out of and within the Metropolitan District.

(f) The origin, destination and trend of growth of such traffic since 1909.

(g) The extent of use of recreational resorts in the Metropolitan District by persons residing within and outside of the district, and similarly for such resorts within Boston.

The statistics on these items were collected in most cases by means of searching the records of the various governmental agencies concerned and drawing off from such records the required data. In the case of the recreational phase of the survey, where a careful investigation of present records showed that no adequate sources of information were available, a field survey was made to obtain original valid statistical data for the purpose of further analysis and study. The whole survey was therefore divided into the following four phases:

(1) Population and assessed valuation phase.

(2) Highway expenditures phase.

(3) Highway Traffic phase.

(4) Recreational phase.

The project originally intended to include a fifth phase dealing with the investigation of the distribution of costs of water supply and sewage disposal in the Metropolitan District. This phase was omitted for reasons explained in the latter part of the report.

The personnel employed on this survey ranged from fourteen (14) to one hundred and ten (110) with an average of fifty five (55). The top figure was reached during the summer of 1939 when the field survey was organized for the collection of the statistics of the recreational phase of the project.

PHASE 1

POPULATION AND ASSESSED VALUATION SURVEY

The main purpose of the population and assessed valuation phase of the survey was to gather the most adequate statistical data permitting an analysis of the trend of population growth, and the changes in assessed property values in the above described four Zones since the creation of the Boston Metropolitan Park District in 1893. The statistics

on population were collected for each city or town lying within these Zones from the Federal Census books for each of the decennial years, 1890, 1900, 1910, 1920, 1930 and from the State Census books for the year 1935, the most recent year for which any census figures were found available. These statistics are shown on Table 1 by municipalities and Zones for each of these years with the exception that for Zone D only the Zone totals are given. The breakdown of the Zone D totals are given on the supplementary Table 1B. This system of showing the breakdown of the Zone D totals by municipalities on supplementary tables, numbered correspondingly to those for the other Zones A, B, and C, is retained throughout all the subsequent statistical tables. The same two tables show also the percentage increase of population during each of these decades as well as the land area in square miles and the density of population per square mile for each of the cities and towns lying within the same four Zones.

The statistics on assessed valuation were collected for the same years for each city or town lying within the four Zones from Public Document #16, "The Annual Report of the Commissioner of Corporations and Taxation", wherein the two columns on Table 18 show (1) the assessed value of real estate and tangible personal property for local taxes and (2) the equalization of that property value as used in determining the State tax. These two sets of statistics are shown on Table 2 by municipalities and Zones for each of the years 1890, 1900, 1910, 1920, 1930 and 1935. The same table gives also the land area in square miles and the assessed property value per square mile for each city or town lying within the four Zones.

Both the population and assessed valuation statistics were further

summarized from a zonal point of view on Table 3 where the Zone totals and their percentages of increase are given for each year studied. At the bottom of this table is also given the percentage distribution of these two sets of statistics by Zones as well as their inter-relationship as indicated by relating assessed property valuation to population on a per capita basis for each of the four Zones.

In addition, the following table showing the percentage increase of assessed property values during each decade may be of interest.

ASSESSED VALUE OF REAL ESTATE AND TANGIBLE PERSONAL PROPERTY

PERCENTAGE INCREASE DURING PERIODS

Zone	1890-1900	1900-1910	1910-1920	1920-1930	1930-1935
A	37.3	23.4	12.8	25.4	-16.3*
B	50.3	37.0	31.4	68.6	- 2.3
C	21.4	47.7	32.0	35.2	- 3.2
D	23.8	32.8	52.6	17.5	- 9.6

* Minus sign indicates decrease.

PHASE 2

HIGHWAY EXPENDITURES SURVEY

The main purpose of the highway expenditures phase of the survey was to gather the most adequate statistical data permitting a comparative analysis and a determination of the trends of the amounts expended by the various governmental agencies, (State, Metropolitan District Commission and local governments) for the construction and maintenance of highways in the four basic Zones. The statistics on highway expend-

itures were, therefore, collected according to source of funds and according to construction and maintenance for each city or town lying within the four Zones for each year from 1920 to 1936, the last year for which any consistent and adequate set of statistical data was found available.

(A) Highway Expenditures by the State

The statistics on State expenditures from the State Highway Fund both for state highways and for the small town and county roads according to Chapters 90 and 81 were collected from the records made available to the project by the State Department of Public Works. These records were found to contain the following items for each city or town in Massachusetts.

1. State Highways.
2. Chapter 464 E.P.W. Bond Issue.
3. Small towns, Chapter 221 W. C.
4. Bridge Construction.
5. Maintenance.
6. Snow Removal.
7. State Highway Flood damage.
8. Section 34, Chapter 90.
9. Section 26, Chapter 81.
10. Total.

The State expenditures from the State Highway Fund for the construction of state highways were developed by adding the first four of these items and those for the maintenance of these highways were developed by adding the next three items (5, 6, and 7). These two sets of statistics are shown on Tables 4 and 5 by municipalities and Zones for each year from 1920 to 1936. These tables showing the construction and maintenance expenditures separately were combined on Table 6 to show the total State expenditures from the State Highway Fund for State highway construction and maintenance.

The statistics on the State contribution for the construction and maintenance of the small town and county roads according to Chapters 90 and 81 are shown on Tables 7 and 8 in their original form as found in items 8 and 9 of the above described records. These tables were then combined on Table 9 to show the total of these two types of expenditures. Finally, the Tables 6 and 9 were combined on Table 10 to show the total State expenditures from the State Highway Fund.

(B) Highway Expenditures by the Metropolitan District Commission

The highway expenditures made by the Metropolitan District Commission were compiled from Public Document #92, "Assessments for Interest, Sinking Funds, Serial Bonds and Maintenance of the Metropolitan Districts". This source was used after a thorough analysis of the reports issued by the Metropolitan District Commission, and consultation with their representatives. The Metropolitan District Commission has no statistics available on highway expenditures as a distinct item. They are included in the figures shown in Public Document #92 on Page 4, in the column headed "Metropolitan Parks and Boulevards" showing the total assessments for these two items. This item is broken down in the Table on page 12 in which the column headed "Total Maintenance" includes all the items directly related to "Boulevards", which is further broken down on pages 17, 18, 19 and 20. The items involving"Boulevards" in these tables are as follows:

Sinking Fund Requirements, page 17.
Column headed "Boulevards".

Serial Bond Requirements, page 18.
Column headed "Boulevards."

Interest Requirements, page 19.
Column headed "Boulevards".

Maintenance Requirements, page 20.
Boulevards involve 33% of the column headed "Parks" and the entire columns headed "Boulevards" and "Wellington Bridge".

The sum of these items, plus the special items assessed on account of highway expenditures at the bottom of page 12, was held to represent that portion of the Metropolitan District Commission expenditures that may be properly considered attributable to the construction and maintenance of boulevards, exclusive of parks, beaches and recreational features.

The use of the 33% of the Parks item in the last table is the result of a study which had been made of the expenditures in 1937, in which a detailed analysis of this complete item indicated that about 33% was properly chargeable to the maintenance of highways. No personnel was available on this project to make a similar detailed analysis for previous years back to 1920. In view of the relation between the magnitude of this item and the total magnitude of all the other items involved in this study, and in view of the lack of facilities to make a more precise survey, the same percentage found in 1937 was applied to this item for all the previous years for the purpose of this study. This must be an approximate estimate in any case and it is felt that by this method an approximate figure was attained which is as adequate for the purposes of this study as we were able to produce. These statistics are shown by municipalities and Zones on Table 11.

(C) Local Highway Expenditures

The most readily available source of information permitting the collection of adequate statistical data on local highway expenditures

for the desired period of years and municipalities was found to be the "Annual Report of the Statistics of Municipal Finances", Public Document #79, issued by the Department of Corporations and Taxation and based on the individual town reports received by that department from each city or town in Massachusetts. The highway expenditures listed therein, according to outlays and maintenance, were transferred without change to Tables 12 and 13 showing the local highway construction and maintenance expenditures, respectively. These two tables were then combined on Table 14 to show the total local highway expenditures.

It is acknowledged that in the case of Zones B, C, and D, these figures, according to an analysis of them explained in the accompanying foot-note*, are in excess of the highway expenditures made by the

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* An analysis of the methods used in the preparation of the "Annual Report on the Statistics of Municipal Finances", Public Document #79, revealed that the local highway expenditures shown in it represented the total expenditures made by the local communities for highways, including both the expenditures from their own funds as well as the contributions received by them from the State, according to Chapters 90 and 81.

The breakdown of these totals into the above two items was not found in this report, nor was it found readily available in any of the records of the department issuing this report. The best source of information found available as an indication of the amounts of these State contributions were the Chapters 90 and 81 highway expenditure figures compiled from the records of the State Department of Public Works, and shown on Tables 7, 8, and 9 of this report. An analysis of these figures revealed that they included not only the above mentioned State contributions, but also the amounts paid out directly by the State to cover the engineering and supervision expense of constructing and maintaining the roads financed by them. The breakdown of the Chapters 90 and 81 expenditures into these two items was not found readily available back of 1927. Beginning with that year, however, up to 1932, such a breakdown was found, and it revealed that the State contributions included in the local expenditures constituted only about 70% to 75% of the total Chapters 90 and 81 expenditures. In other words, considering the fact that the total Chapters 90 and 81 expenditures constituted a

local communities from their own funds by approximately 2% to 3% of their totals. This error is the result of the fact that the part of the Chapters 90 and 81 funds which is given by the State to the towns is expended by them and, consequently, appears also in their figures. This excess in local expenditures is counterbalanced, however, though not to a sufficient degree to be entirely offset, by the failure of the county highway expenditures to appear in the local expenditures despite the fact that they, too, come from local taxes. The net result is the above mentioned slight excess in the local expenditures

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comparatively small percentage of the total local expenditures, the 70% or 75% of the former constituted an even smaller percentage of the latter. In fact, in terms of the total local expenditures, the excess of the State contributions included in them was found to vary from about 4.48% to 7.63%.

Against this excess in the local expenditures must be set, however, the counterbalancing factor tending to make them too low. This counterbalancing factor consisted in the omission by this survey to collect any statistics on county highway expenditures which should logically have been added to the local expenditures, inasmuch as they come out from local rather than State taxes. These statistics were not collected because they were found readily available in the form of county totals only for the years since 1932, and for the years prior to it the breakdown of the county figures into towns for accurate allocation to zones would have been too laborious.

Taking the years 1932 to 1936 for general comparison and using the county figures for the five counties roughly covering the four zones the following was found:

The inclusion of some of the Chapters 90 and 81 expenditures into the local highway expenditures made the latter too large by approximately 4.48% to 7.63%. The omission of part of the county highway expenditures made the local highway expenditures too low by approximately 1.30% to 3.17%. The net error involved is, therefore, an excess in the local expenditures of about 2.16% to 5.39%. The net error of 5.39% is in 1934 and for the other four years it varies from 2.16% to 2.77%. It is greater in Zone D than in Zones B and C where it becomes almost entirely insignificant. Furthermore, the net error grows progressively less back of 1927 due to the comparatively smaller amounts from the Chapters 90 and 81 expenditures.

which was left uneliminated because of the undue time and expense that would have been involved in its correction and which could only have gone as far back as 1927 in any event for reasons explained in the footnote. It was felt that the size of this error would not materially affect the general conclusions suggested by the general figures included in this report.

(D) Highway Expenditures by Special Enactments.

The data on highway expenditures by special enactments were secured from the records of the State Department of Public Works. These were found listed by the particular projects constructed on a cumulative basis covering the period 1920 to 1936. The method of distribution prescribed by the special acts involved for allocating the costs of these projects among the State, the Metropolitan District Commission, and the local governments is shown on Table 15 as applied to the total costs. This method of distribution was then applied to the current yearly figures developed from the available cumulatives in their proper allocation among the above three types of governmental agencies and among the four Zones. These figures were then added to the Zone totals of the previously mentioned tables dealing with total State and Metropolitan District Commission highway expenditures. The corrected totals for each year are given at the bottom of Table 15. As seen from this table, only the Zone totals of the State and Metropolitan District Commission highway expenditures were corrected, because they were found not to have included the allocated portions of these special expenditures. The total local expenditure figures given on Table 14 were not corrected because they were found to have already included the allocated portion of these special expenditures.

All these statistical tables were then summarized into Zone totals shown on Table 16. This table is followed by Tables 17 and 18, showing the comparative relationship between the total State, Metropolitan District Commission and local highway expenditures for each municipality for every third year since 1921 both on the basis of the absolute amounts as well as their relative percentage of the total highway expenditures from all sources. Table 19 summarizes this comparative relationship by Zones. Finally, Table 20 shows a summarized comparative analysis of the highway expenditures in their relation to population and assessed valuation, to the four Zones, and to source of funds both on the basis of absolute amounts and relative perventage for the years 1920, 1930 and 1935.

All these tables, particularly the last two, were then used for the construction of Charts 1 to 8 inclusive, which are self explanatory. In general, they illustrate in graphic form the general comparison, trends and inter-relationships indicated by these statistics on population, assessed valuation and highway expenditures.

The geographic distribution of the highway expenditures is shown on Map No. 2. The State expenditures on state highways are shown in red. The Chapter 90 roads are shown in yellow and the Metropolitan District highway expenditures are shown in green. This map is followed by Map No. 3 showing on a larger scale the boundaries of Boston with the ends of the main state highways in red and the Metropolitan District thoroughfares in green. Within the city limits are shown the major city traffic streets in orange.

The following table shows the yearly total State and local expenditures in the four Zones from 1920 to 1936 inclusive. The State

expenditures include those of Chapters 90 and 81 and the special enactments, and the local expenditures include those of the Metropolitan District Commission.

TOTAL HIGHWAY EXPENDITURES IN THE FOUR ZONES

BY YEARS

Years	Total State (Incl.Chs. 90 & 81 and Special Acts)	Total Local (Incl. M. D. C.)	Grand Total
1920	$1,736,147	$20,232,796	$21,968,943
1921	2,217,893	20,932,308	23,150,201
1922	2,447,237	20,264,060	22,711,297
1923	2,954,169	21,899,051	24,853,220
1924	3,382,510	23,912,325	27,294,835
1925	2,906,690	25,804,910	28,711,600
1926	3,618,559	31,049,517	34,668,076
1927	5,181,916	28,823,589	34,005,505
1928	3,480,055	23,765,563	27,245,618
1929	4,313,478	35,044,330	39,357,808
1930	7,751,156	33,554,811	41,305,967
1931	8,581,175	30,670,881	39,252,056
1932	7,253,920	22,669,535	29,923,455
1933	7,049,132	18,643,075	25,692,207
1934	9,645,609	21,677,507	31,323,116
1935	10,639,580	23,722,818	34,362,398
1936	10,919,689	23,450,696	34,370,385

In addition, the following data indicate the relationship of the total population, State and local highway expenditures, and cars taxed in the four Zones to those for the whole State of Massachusetts. It is worthy of note that the percentage relationship between these two sets of figures with the exception of the State highway expenditures varied from 65.0% to 68.2%.

	Mass.	Four Zones	% of Four Zones to Mass.
Population (1935)	4,350,910	2,920,740	67.1
Highway Expenditures (1936)			
A.State (Incl.Chs.90&81&Sp.Acts.)	$21,907,098	$10,919,689	50.0
B.Local (Incl. M. D. C.)	$36,123,550	$23,450,696	65.0
Number of Cars Taxed (1938)	1,006,702	687,444	68.2

PHASE 3

TRAFFIC SURVEY

The main purpose of the traffic analysis phase of the Survey is to analyze the flow of traffic into, out of, and within the Boston Metropolitan District as well as its origin, destination and trend of growth. The years selected for this purpose were the years of 1909, 1918, 1927, 1933 and 1936 for which most nearly adequate data were found available. Here again the four Zones A, B, C, and D were used as the basis of the analysis, which proceeded from the point of view that the radial traffic moving from Zone to Zone on its way into and out of Boston was the important factor and not the circumferential traffic within a Zone. The method adopted was to select the most important radial traffic routes flowing through the Zones in the direction of Boston, to examine their composition as to the number of traffic arteries flowing into each of these routes as feeders, and to note the amount of traffic found at the intersection of each of these radial routes or arteries with the boundary lines of each of the Zones A, B, C and D. Map No. 4 shows the traffic routes selected and their relationship to the Zones and their boundaries.

The basic sources of information used for this purpose were the traffic maps prepared by the Massachusetts Department of Public Works, on a twenty-four (24) hour August count basis in both directions, for the years 1909, 1918, 1927, 1933 and 1936. These maps record the traffic counts as taken, the width of the line indicating the amount of traffic. The necessary figures were taken off from these maps and recorded by Zone boundaries and radial routes as shown in Table 21. Actual counts were not available of all routes at all Zone boundaries. In these cases the nearest traffic

count was used when reasonably close. In certain cases (marked with asterisk on Table 21) the traffic was estimated as accurately as practicable from the nearest adjacent counts and the width of the line on the map. These counts were then added in order to determine the total amount of traffic for all the radial routes combined at each boundary. This step was made with the object in mind to direct the whole study from the point of view of analyzing the growth of the total traffic in each Zone rather than the growth of traffic on the separate routes. The great many shifts of traffic which have taken place on these routes, due to new construction, seemed to render such a study less useful for the purpose of this Survey.

These maps, however, were found to contain all the necessary information only for the traffic at the boundary lines of Zones B, C and D, but not for that at the boundary line of Zone A. As the various radial routes approached the Boston City Line, the traffic figures became very confused or disappeared altogether. By using these maps, we were, therefore, able to secure only the total traffic at the boundary lines of Zones B, C and D, but not for that of A. In order to determine that traffic,it was necessary to have recourse to other sources of information.

A thorough investigation, however, soon revealed that there were no adequate figures available for the Zone A boundary line for the years studied, except those of 1927 found in Mr. Robert Whitten's Report on a Thoroughfare Plan for Boston. These were based on a ten (10) hour count. In addition, there were also found the traffic counts taken by the Boston Traffic Commission in 1938. These were based on a twelve (12) hour count. Thus there were only two sets of figures found available for the traffic of the Zone A boundary line, namely, for 1927 and 1938, which had to be made serviceable for any further analysis or development of estimates for

the other years at the same boundary.

The first problem that presented itself was, therefore, to reduce these two sets of figures to a basis comparable to those for the other Zones, which were on a twenty four (24) hour count basis. In order to accomplish this, use was made again of Mr. Whitten's report as well as the Traffic Census Report prepared by the Massachusetts Department of Public Works for the year of 1936. The latter report contains a table showing the hourly percentages of average daily traffic flow at the various stations. Ten of these stations were carefully examined as to the ratio which they showed that a twenty four (24) hour count had toward a ten (10) or twelve (12) hour count. In the case of the ratio of the twenty four (24) to the twelve (12) hour count, it was found that the ratio ranged from about 1.41 to about 1.50. The four nearest stations to Boston showed this ratio to be 1.45. In the case of the ratio of the twenty four (24) to the ten (10) hour count, it was found that it ranged from about 1.69 to about 1.80, and the nearest four stations showed a range from 1.74 to 1.76, two of which showed a ratio of 1.76. In both cases Quincy, which was the nearest station to Boston of those analyzed, and which therefore might be considered as more representative of Boston than any of the other stations, showed the required two ratios to be 1.45 and 1.76. Furthermore, on Page 23 of Mr. Whitten's report, there was also found a statement made by him to the effect that a twenty four (24) hour count can be taken as equal to 1.76 times a ten (10) hour count. On the basis of all the above, the following two factors namely 1.76 and 1.45 were applied in order to reduce the 1927 and 1938 figures to a twenty four (24) hour count basis with the object of making them comparable to those for the other zones which were based on such a count.

This first step, however, gave us only the figures for one of the years studied, namely, the year 1927. It was, therefore, necessary to develop estimates for the remaining years.

In developing these estimates careful consideration had to be given, however, to the fact that while the two years 1933 and 1936 lay within the interval of 1927-1938, the same was not true of 1909 and 1918. The process of interpolating satisfactory estimates from the two sets of figures, namely, those of 1927 and 1938, could therefore be applied in the case of the two intervening years 1933 and 1936, but not for the other two years 1909 and 1918. In the latter case, reliance had to be made on the process of extrapolating estimates for these two earlier years, which is, admittedly, from the point of view of statistical theory and technique, less satisfactory than the process of interpolation.

The first step was to develop estimates for 1936, the nearest year to 1938, for which year figures were available. Here, the process of interpolating these estimates from the 1927 and 1938 figures was made by assuming a straight line relationship between the traffic figures for these two years. This amounted to assuming the difference between the 1938 and the 1927 figures to be evenly distributed over the eleven intervening years thus making the 1936 figures equal to those of 1927 plus nine-elevenths or 82% of that difference.

Such an assumption seemed to be the only one available and logical in view of the fact that there were no figures available for any other intermediate year or any other data suggestive of a different or contradictory relationship. On the contrary, this assumption was soon

found to be supported by a different line of reasoning based on a different set of data.

In this connection, use was made of the traffic figures for all the other three Zones. It was considered reasonable to assume that these, too, had a direct bearing upon this problem of estimation, especially if they were found to possess certain characteristics which held true for all of them in uniform constancy. In such a case, it was deemed reasonable to think that if any figures would have been found available for the Zone A boundary they would have shown similar characteristics. In this connection, it was also thought reasonable to attach greater weight to the traffic figures for the Zone B boundary than for any of the other Zones, first, because of its greater proximity to the Zone A boundary than of the others thus bearing a closer relationship to it, and second, because of its greater volume of traffic constituting the major factor in the development of traffic at the Zone A boundary.

For this reason, a close analysis was made of the traffic figures for the other three Zones, and the following two relationships were found to exist.

First, when plotted on arithmetic paper, as shown on Chart No. 9, the traffic figures for the years 1927, 1933 and 1936 seemed not to differ very much from a straight line relationship. The approximation to that relationship grew closer and closer as we proceeded from the Zone D boundary to that of Zone C and finally to that of Zone B. The approximation was particularly very close in the case of Zone B. Here it became almost perfect, with the exception that the 1933 figure was

equal to that of the 1927 figure plus 64% of the difference between the 1936 and the 1927 figures instead of plus 67% of that difference which would represent actually a straight line relationship.

Second, when plotted on logarithmic paper, as shown on Chart No. 13, an almost perfect parallel relationship was noticed between the lines connecting the yearly figures for each of the other three Zones B, C and D. In other words, the traffic at each of the three Zone boundaries increased during the period studied at a strikingly uniform and constant rate. Thus, the ratios of 1909 and 1918 to those of 1927 were as follows:

Ratios of 1909 to 1927		Ratio of 1918 to 1927	
At Zone B Boundary	7%	At Zone B Boundary	30%
At Zone C Boundary	7%	At Zone C Boundary	29%
At Zone D Boundary	6%	At Zone D Boundary	28%

The same was true in the case of the ratios for each of the years 1909, 1918, 1927 and 1933 to those of 1936. These were found, as shown on Table 28, as follows:

	Ratio of each year to 1936			
	1909/36	1918/36	1927/36	1933/36
At Zone B Boundary	4	16	53	83
At Zone C Boundary	3	14	49	81
At Zone D Boundary	3	16	60	89

This second characteristic was particularly useful in developing the process of extrapolating the estimates for the two back years 1909 and 1918.

The possession of these two characteristics by each of the other three Zones B, C and D with such striking regularity seemed to suggest that if any figures had been found for Zone A they would have possessed the same two characteristics, namely, the straight line relationship from 1927 to

1938 on arithmetic paper and the uniform rate of increase as between the various Zones shown on logarithmic paper by the parallel relationship between the lines drawn for each of the Zones. Thus, the straight line relationship which was at first thought to be the only one available was thus found to be supported by the data for the other three Zones.

A straight line was, therefore, drawn between the figures for 1927 and 1938, and the estimates for 1936 were interpolated from it. In other words, the 1936 figures were developed by adding to the 1927 figures nine-elevenths or 82% of the difference between the 1927 and 1938 figures.

In order to develop the estimates for 1933 use was now made also of the above estimated 1936 figures. Two alternative methods presented themselves. One was by continuing to develop the estimates on the basis of the assumed straight line relationship which would have given us a figure of 382,575 based on adding to the 1927 figures six-ninths or 67% of the difference between the 1936 and 1927 figures. The other method was by modifying that assumption to the extent that the straight line relationship found in the case of Zone B was not entirely perfect. As stated above, the 1933 figures for Zone B deviated from the straight line connecting the 1927 and 1936 figures by the small amount of 3% of the difference between the figures for these two years. In other words, the 1933 figures were found equal to the 1927 figures plus 64% instead of 67% of the difference between the 1927 and 1936 figures. For the sake of greater consistency in our line of reasoning based upon the close bearing that the Zone B traffic figures had upon those of Zone A, the second method for developing our 1933 estimates was preferred. The 1933 figures were, therefore, developed by means of adding to the 1927 figures 64% instead of 67% of the difference between

the 1936 estimates and the 1927 available figures. This was found to equal 378,533 which differs very little from the estimate of 382,575 based on the first method.

In developing the estimates for 1909 and 1918, however, as already noted the process of interpolation which is based upon the idea of forming estimates for points lying on a line or a curve between two given points could not be used. In the case of our estimates of 1933 and 1936 we had two yearly figures to guide us, namely, those 1927 and 1938 between which lay the two years for which estimates were required. All that was necessary, therefore, was to assume either a straight line or a curve connecting these two points and interpolating for any intervening points. In our case a straight line was assumed, first, because it appeared the only assumption available and second, because this assumption was also soon found to be supported by our reasoning based on relating the traffic figures for the other three Zones to those of Zone A.

This could not be done, however, in the case of 1909 and 1918, because there were no Zone A figures available for any of the earlier years. The earliest year which any Zone A figures were available were those of 1927. The 1938 figures could not be of any use to us in our present estimation problem, because of the great many years which intervened between. Also, a close examination of the figures for the other Zones soon revealed that the rate of traffic increase grew very rapidly from 1909 to 1927 and slowed down considerably after that date as shown in the Table 30, as follows:

	Percent Increase over Preceding Year's Count			
	1909/18	1918/27	1927/33	1933/36
At Zone D Boundary	388	274	50	12
At Zone C Boundary	340	246	66	24
At Zone B Boundary	314	234	57	20

This is also shown graphically on the logarithmetic Chart No. 13 where the lines for each of the three Zones begin to rise very rapidly in 1909, grow less steep after 1918, and practically flatten out after 1927. In other words, one of the five years studied, namely, the year 1927 seemed according to all indications to be the crucial year in the growth of traffic at the three Zones. In view of the fact that the crucial character of that year appeared to be true for all the other three Zones, it was logical to assume that the same year was undoubtedly just as crucial in the growth of traffic at Zone A. In other words, the line connecting the 1927 and 1938 figures on the logarithmic chart would take a sharp bend downwards similar to the bend for the other three Zones when proceeding to the left towards the earlier years 1909 and 1918. For this reason, the 1938 figures could not be of any use in the development of our estimates for 1909 and 1918 and chief reliance had to be made, therefore, for this purpose on the 1927 figure only.

For this reason, the method of approach in developing the estimates for 1909 and 1918 had to be different from that of estimating the 1933 and 1936 figures. In the latter case, the estimates were developed on the basis of the straight line relationship between 1927 and 1938. This was originally an outright assumption based upon the two available Zone A figures only, but was later found to be supported by the relation of the counts for the three other zone boundaries.

Here, however, in the case of the 1909 and 1918 estimates, no such outright assumption based on Zone A figures can be made, because only the 1927 figures are available as a starting point from which to make our extrapolations. These extrapolations, however, have to be based upon an assumption resting upon some characteristic feature of the traffic at the

other three Zones which can be reasonably considered to hold true for Zone A as well. This characteristic feature was already noted in our previous analysis. It consists in the fact that the traffic at all the three other Zones increased at an almost uniform rate over the period studied, and particularly during the period 1909-1927 as evidenced in a table above but repeated here for convenience.

1909/27	1918/27
Zone B---------7%	Zone B---------30%
Zone C---------7%	Zone C---------29%
Zone D---------6%	Zone D---------28%

This striking uniformity in the increase of traffic for the other three Zones is also shown graphically on the logarithmic chart where all the three lines representing them run closely parallel to each other. This parallelism is maintained by them throughout whether in their rising steepness during the period 1909 to 1927 or in their flattening out after 1927. Furthermore, when the 1927 and 1938 figures were plotted on the logarithmic chart and connected by a line, the latter was also found to be parallel to the other three parallel lines. In other words, the rate of increase for all the four Zones after 1927 was practically uniform. It is, therefore, logical to assume that the same parallelism which existed for all the lines for the other three Zones throughout the whole period, and the four Zones during a part of that period, would also be maintained for the four Zones for the second part of the period. To express the same thought in arithmetic terms, it was logical to assume that the uniformity in the percentages of increase for all the three Zones throughout the whole period and for all the four Zones during the part of the period from 1927 to 1936, would also be true for all the four Zones for the other part of the period 1909 to 1927. In other words, it can be

reasonably assumed that the ratios of the Zone A traffic for 1909 to 1918 to that for 1927 would not differ materially from the ratios listed above in the case of the traffic of the other three Zones.

However, in making these extrapolations greater weight was attached to the percentages of growth of the Zone B figures because of the consideration already mentioned above, namely, the closer proximity to the Zone A boundary, and also its greater total volume of traffic in comparison with the other two Zones constituting the major factor in the development of traffic at the Zone A boundary. For this reason, the 1909 and the 1918 figures were estimated to be 7% and 30% of the 1927 figures, respectively.

To summarize, to proceed with this phase of the survey, it was at first necessary to develop a set of statistical data showing the growth of traffic at the four Zone boundaries for the years 1909, 1918, 1927, 1933 and 1936. The basic data necessary for this purpose were collected from three different sources, namely, the State Department of Public Works, the Boston City Planning Board and the Boston Traffic Commission. In order to render them complete and consistent with each other, so as to cover the same routes, the same years, and to base them on a uniform twenty four (24) hour count, certain assumptions had to be made upon which to base the necessary estimates. The degree of estimation involved in each case varied considerably. If classified accordingly, they would present the following picture:

Figures For	Degree of Estimation
Zones B and D for 1927, 1933 and 1936	Very little
Zones B and D for 1909, 1918 and Zone A for 1927	Little
Zone A for 1933 and 1936	Moderate
Zone A for 1909 and 1918	Great

Together they are the best available figures, and this varied degree of estimation by no means impairs their usefulness for the purpose of this Survey which is primarily concerned with relative trend analysis and general magnitude comparisons rather than with exact quantitative measurements. Despite some of their failings, they are sufficiently accurate to indicate the general trends of the growth of traffic at the boundaries of the four Zones and the development of the same within the Zones. As such, they were, therefore, used as the basic material for the development of all the succeeding tables and charts dealing with the determination of the traffic developed by each Zone, the calculation of indexes of growth, and the graphic portrayal of the established trends and general comparisons.

The first five tables, namely, Tables 22-26 inclusive correspond to the five years selected for this study. Each of these tables shows the procedure followed for each of the five years in obtaining the figures on the amount of traffic that has been developed in each Zone. It is obvious from the nature of the count, being based on both directions, that the traffic at the outer Zone D boundary has its origin and destination in areas lying outside of the four basic Zones. As such, it can therefore be conceived as having been developed by these outside areas. It is equally evident that the traffic at the Zone C boundary has its origin and destination outside of the Federal Census Metropolitan District, and as such can be conceived of as having been developed by both Zone D and the areas lying outside the four basic Zones. Furthermore, the figures show that the traffic at the Zone C boundary is considerably larger than that at the Zone D boundary. This occurrence accords well with expectations, for one would undoubtedly expect the traffic to become heavier as one approaches Boston. It naturally follows that the difference between the traffic at the outer Zone C boundary and

that of the outer Zone D boundary constitutes the net result of the traffic that has been developed by Zone D. This amount has been designated in this report as the traffic "Originating" in Zone D and is listed on each of these five tables under the column headed "Traffic Origin in Zone D". By a similar line of thought indicated by the process of subtraction shown on these tables the traffic that has been developed by Zones B and C was also obtained. As for Zone A, it is obvious that the traffic at its boundary has its origin anddestination in Zone A, and, consequently, can be conceived of as having been developed by it, for it is the centrifugal as well as the centripetal force of all the traffic flowing in and out of it.

Undoubtedly, the term"Traffic Origin in Zone D" is somewhat ambiguous, for the figures listed under that heading represent not merely the traffic originating in Zone D, but rather the traffic that has developed by it having its origin as well as its destination there. Furthermore, this amount is not the total gross, but rather the net total amount of traffic developed by it. This naturally follows from the process of subtraction applied in obtaining these figures. This process necessarily involves the automatic counterbalancing of the traffic entering Zone D at its outer boundary and stopping in it by an equal amount of traffic originating in Zone D and entering Zone C, thus leaving only the remaining net traffic originating in Zone D and entering Zone C in our figures. In a similar way, it necessarily involves the counterbalancing of the traffic originating in Zone D and leaving it at its outer boundary by an equal amount of traffic entering it from Zone C and stopping in Zone D thus leaving only the remaining net traffic entering Zone D from Zone C in our figures. It is the sum of these two net amounts which is implied in the figures listed under that column headed, "Traffic Origin in Zone D". It, therefore, represents the total net traffic that has been developed by it or rather

its net addition to the total traffic flow on its way in and out of Boston. It naturally follows therefrom that the traffic at the Zone A boundary can be conceived of as not only the traffic developed by Zone A, but also as the total traffic composed of the sum of the traffic at the outer Zone D boundary plus the three net traffic additions by Zones B, C and D. This is clearly shown on Table 27 which summarizes the Zone totals of the previous five tables and puts the above considerations in tabular form. The two sets of figures shown in this table, namely, (1) the traffic at the Zone boundaries and (2) the traffic "originating" in each Zone, are then used as the basic material for the development of the succeeding three tables and the charts that follow them.

Table 28 shows the traffic at the Zone boundaries and the traffic originating in each Zone with their percentage relationships to 1936. Table 29 shows the same two sets of figures with their percentage relationships to the Zone A traffic. Finally, the last Table 20 shows the same two sets of figures with their percentage increase over the preceding years. The same two sets of figures are then portrayed graphically on arithmetic paper in Charts Nos. 9 and 10 to indicate their magnitude relationships, and on logarithmic paper in Charts Nos. 13 and 14 to indicate their rates of increase and relative trends of growth. The traffic originating in each Zone is also shown on a cumulative basis on Chart No.11 and on a percentage basis in Chart No. 12. Additional four logarithmic Charts (14A, 14B, 14C, 14D) have been included to show the trend of traffic growth and the trend of highway expenditures in each Zone in order to facilitate the comparison of these trends.

PHASE 4

RECREATION SURVEY

The main purpose of the recreational phase of the survey was to determine the extent to which the various recreational resorts in the Metropolitan District and in Boston were being used by residents within Boston, the remainder of the Metropolitan District, the Zones C and D, the rest of Massachusetts and areas further afield, in an attempt to relate the relative use of these resorts by these geographical subdivisions to the relative shares of burden carried by them in maintaining these resorts. The resorts selected for the purpose of this survey were those which were presumed to draw their visitors not only from their immediately surrounding localities but from a wider distributed area covering at least the four Zones. These are spotted on the Recreational Base Map No. 5 and are the following:

Resort	Maintained by
1. Nantasket Beach	Met. Dist. Com.
2. Houghton's Pond	" " "
3. Ponkapoag's Golf Club	" " "
4. Quincy Shore Reservation	" " "
5. Malibu Beach	" " "
6. Strandway Beach	City of Boston
7. Franklin Park	" " "
8. Revere Beach	Met. Dist. Com.
9. Lynn-Nahant Beach	" " "
10. Middlesex Fells Zoo	" " "

As seen, the Metropolitan District Commission administers eight of these resorts and assesses their cost on the various municipalities lying within the district. The City of Boston shares about 45% of this cost. The other two resorts lie in Boston proper and are maintained 100% by it.

To proceed with this phase it was necessary to collect statistics indicating the relative use made of these resorts by the above described

geographical sub-divisions. No adequate statistical data, necessary for this purpose were found available in any of the existing sources of information. It was, therefore, necessary to obtain original data by means of a field survey at these recreational resorts. These original data were not intended to be the result of a census taken to obtain correct figures on the total number of the users of these resorts. Such a procedure, though highly desirable, would have been too costly and would have encountered insuperable technical difficulties. Neither was it considered necessary for the purpose of this survey to collect figures on total attendance of these resorts, but rather to obtain a set of statistical data which would give an adequate general picture of the relative use made of these resorts by the various municipalities. In other words, speaking in statistical terms, the objective aimed at in organizing the field survey was to obtain an adequate statistical sample which would be fairly representative of the general relationships existing in each resort as regards the geographical distribution of its users.

The method which suggested itself as the most practicable and satisfactory for the purpose of obtaining such a sample was to base it on the number of users arriving at these resorts by automobile from the various localities. The greater part of this number could be easily ascertained by recording the registration number of the automobiles parked at these resorts, to be used as a means of identifying the residence of their owners, thus securing a fairly adequate impression of the geographical distribution of the people arriving at these resorts by automobile.

From the beginning it was realized that this sample would not give a complete picture because of its rather imperfect representativeness arising

out of its being based on only one type of user, namely, the car owner and his family or friends, to the entire exclusion of all the other users arriving at these resorts by rapid transit, boats, rail, bus or foot. However, in view of the large number of people now using the automobile as a method of transportation, it was believed that the probable indications which such a sample would render might be considered to be of some significance. Furthermore, a closer analysis of the nature of the sample from the standpoint of its adequacy seemed to suggest that the omission of the other types of users could not materially affect the general relationships that would be indicated by this sample as to the geographical distribution of the resort users. This can certainly be said of Houghton's Pond and Ponkapoag Golf Club which can be approached only by means of motor vehicle and only to a negligible extent by any other means. An almost similar statement can be made in regard to Malibu Beach, the Quincy Shore reservation, and the Middlesex Fells Zoo. In the case of the latter, it is true that the street car approaches are somewhat better. However, it was believed that the number of people that might use this method of transportation of reaching there would be rather small; and whatever that number might be, they would all come from the rather negligibly small part of Zone B lying close to that resort, so that it would have no effect upon the final sample results.

As for Revere, Lynn-Nahant and Nantasket Beaches, it was realized from the beginning that there would be a great many people coming there by means other than automobile. Obviously, these people could not be presumed to come from outside the four Zone area under consideration. Only a few of them were considered likely to come from Zones C and D. Their great bulk, however, was believed to come from Zones A and B. A supplementary set of statistical data indicating their distribution between these two Zones

would have been highly desirable, but such was not found to be in existtence, and to obtain any field data of this character would have been impracticable. Similarly, judging from general observations, there did not seem to be any specific reasons to advance why the relative use of these resorts by Zones A and B based on motor vehicles, would be considerably changed if based on all types of users, and if changed in what direction. The safest thing was to assume that as far as the inter-relationship between Zones A and B in the matter of their relative use of these three resorts is concerned, the factors determing this inter-relationship, when based on motor vehicles, would continue to operate in the same direction when based on all the other types of users.

Undoubtedly, the factors that would tend to favor Boston would be its great population and its rapid transit facilities. However, an almost similar set of factors would tend to operate in favor of Zone B. These would be, as in the case of Revere Beach, the great number of pedestrians from Revere and the large number of people coming there by the various mass transportation facilities from such thickly populated nearby towns, as Chelsea, Somerville, Everett, Malden, Medford, Winthrop, Lynn, Melrose, Arlington and Cambridge. In the end, the distribution of these other types of resort users between Zones A and B would probably not differ very greatly from that of the people arriving there by car. The net result would be that the relative percentages of use indicated by the sample based on automobiles would tend to be approximated by a sample based on all types of users, if such would have been possible to obtain. In the case of Lynn-Nahant Beach there was even reason to believe that the inclusion of the other types of users might even tend to accentuate somewhat the local factors.

On the other hand, there was no question that the omission of the other type of users was considered likely to exert a quite definite effect on the sample indications as regards the relative use made of these resorts by Zones C and D and the areas farther afield. Here, it was believed that the percentages of use of these resorts by these areas would have to be assumed to be considerably less than those which the sample might indicate for them. The reason was obvious, for if it would have been possible to obtain statistics based on the total number of users regardless of their means of transportation, the totals for Zones A and B would have been materially increased while those for Zones C and D and the areas further afield would have remained practically the same, thus increasing the percentage of the former, and reducing the percentage of the latter.

As for Strandway Beach and Franklin Park, it was thought that the bulk of the people coming to these resorts by rapid transit and foot would be from Boston because of the local factors and rapid transit facilities. Taking this into consideration, it was assumed that whatever percentages of use of these three resorts by Boston residents would be indicated by the sample, they would have to be considerably increased.

In short, viewed from the main purpose of the survey concerned primarily with the establishment of general relationships, the omission of the other users from the sample was considered to be of slight importance as regards its ultimate effects upon the percentages of use of these resorts by the various geographical sub-divisions that would be indicated by the sample. The most it would call for, it was thought, would be a slight modification of the percentages of use of the three large Metropolitan resorts by the outlying areas in a downward direction, and some added weight to certain local factors in the case of the two Boston resorts. On the other hand,

it was believed that it would leave the indicated percentages of use almost entirely undisturbed in the five small Metropolitan resorts, and not have any material effect, if at all, upon the relative use of the three big Metropolitan resorts by Zones A and B. Of course, there were not any statistical data available to support these considerations, but neither were there any statistical data to disprove them, or any good logical reason in sight to contradict them.

With the adequacy of the nature of the sample now established, excepting the above minor reservations, the only thing that was left, therefore, was to organize the field survey in such a manner that it would render the sample from an organizational standpoint statistically valid for further analysis and study. The technique employed was the stationing of a sufficient number of clerks at each resort at predetermined parking areas with instructions to record on tally sheets (see Appendix 1) the registration numbers of all the parked Massachusetts cars and the name of the State of all the parked out-of-state cars. They were also instructed to record on the same sheet whenever observed the number of occupants of these cars. The tally sheets were mailed daily to the office headquarters by the chief clerk appointed at each resort to supervise the work of the crew placed under his charge.

These counts were taken from July 26th to September 10, 1939 inclusive, a total of forty-seven (47) days, lying within a period when the recreational centers were presumed to have their greatest attendance. These counts, however, were not taken during these forty-seven (47) days at every resort every day. The more important resorts, such as the beaches, were checked from thirty (30) to thirty-eight (38) days each, and the less important ones such as Franklin Park, Ponkapoag Golf Club and Houghton's

Pond twenty-three (23), twenty-seven (27), and twenty-eight (28) days, respectively. The objective was to obtain for every resort five (5) Saturday and five (5) Sunday counts and four (4) to five (5) counts for every day of the week for the big resorts and three (3) to four (4) such counts for the smaller ones. On the whole, this objective was obtained with the exception of some minor modifications due to rain and personnel difficulties. The precise number of days and their dates on which these counts were taken together with the daily total count are given for each resort on Table 31. No original field count was made by this project at Middlesex Falls Zoo, because it was found that a similar count had been taken there in 1938 by the National Park Service which made these data available to us.

The counts were taken during a selected period of seven hours each day during which it was believed that the use of the resorts was likely to be the greatest. The daily count does not, therefore, include all the cars that parked at the resorts on the date checked. However, an attempt was made to include as many cars as possible on these days, for the clerks were instructed to secure the registration number of all the cars that had already been parked when the work started each morning.

With such provisional safeguards to obtain a large percent, ranging probably from 20% to 30%, of the total number of cars that might have come to each resort during the summer season, assumed to be in the neighborhood of ninety (90) days, the secured sample was believed to be fairly representative, and consequently statistically valid for the purpose of further analysis and study.

The office operations consisted primarily in sorting and tabulating the results of the field work, and reducing them to a common basis, relating them to other data and in presenting them in the form of tables, charts and maps.

Upon receipt of the tally sheets from the field the registration numbers were transferred to special small cards bearing the corresponding date and name of the registrant. These cards were then sorted in numerical order according to registration numbers to facilitate the identification of the residence of the registrant by referring to the Automobile Directory which was arranged in that order. The residence of each registrant was recorded on the same card now bearing this registration number and the date and name of the resort at which his car was found parked. These cards were then sorted in alphabetical order according to towns, and the total counted for each town was subsequently entered on a town sheet specially designed with columns, for each resort, and rows, for each day. (See Appendix #3). These entries representing the total number of cars from a particular town, found parked on a particular day at a particular resort, were then added to form the basic material for developing Tables 31, 32A and 32B. Table 31 shows the daily total attendance at each resort for the days counted and Tables 32A and 32B show for each resort under its first column the town totals grouped into the four Zones for the entire field work period.

Since the number of days counted for the various resorts varied somewhat, the reduction of these counts to a common uniform basis in order to facilitate the comparison of the relative importance of these resorts seemed desirable. An estimated summer count was therefore developed. The basis selected for the purpose of developing this count was the summer season assumed to consist of ninety (90) days. It is true that the actual number of days that these resorts are used during a season exceeded ninety (90), but attendance is small in

the early spring or late summer. For this reason, the number ninety (90) was used as a base, or rather as a common numerator, into which to divide the actual number of days counted for each resort in order to develop the necessary factors by which the figures in the first columns for each resort on Tables 32A and 32B under the heading "Actual Count" were multiplied to give the resultant products under the second columns for each resort under the heading "Estimated for Summer." In other words, assuming the same daily average attendance the number of cars shown for each resort by municipalities and Zones was increased proportionately to represent an estimated summer count resting on ninety (90) days of seven hours each.

This estimated summer count shown on Tables 32A and 32B was then used as a basis for developing Table 33 showing the estimated number of people arriving by motor at each resort. The method used was to apply the other set of statistics obtained by means of the field survey. As stated, the clerks in the field were also instructed to record on their daily tally sheets, whenever observed, the number of persons in the cars. The total number of persons so counted for each resort was then divided by the total number of cars so observed with occupants in them in order to develop estimated averages of the number of persons per car for each resort. These averages for each resort were then used as factors by which to multiply the estimated summer counts shown on Table 32 to develop the resultant products shown on Table 33 representing the estimated total number of persons arriving at the resort by motor during the summer season.

The factors used in estimating the total summer counts of the number of cars and number of persons at each recreational resort are as follows:

FACTORS USED IN ESTIMATING THE TOTAL SUMMER COUNTS OF NUMBER OF CARS AND NUMBER OF PERSONS AT EACH RECREATIONAL RESORT

RESORT	FACTOR USED FOR TOTAL SUMMER COUNT OF NUMBER OF CARS (based on 90 days)		FACTOR USED FOR TOTAL SUMMER COUNT OF NUMBER OF PERSONS		
	No.of Days of Field Work	Factors	Total No.of Occupants	Total No.of Car	No.of Occupants Per Car
Nantasket Beach	38	2.36842	236609	63569	3.72
Houghton's Pond	28	3.21429	19758	5322	3.71
Ponkapoag Golf Club	28	3.21429	3740	2189	1.71
Quincy Shore Res.	30	3.00000	30724	10274	2.99
Malibu Beach	32	2.81250	13578	5215	2.60
Strandway	37	2.43243	120684	48429	2.49
Franklin Park	23	3.91304	17846	6010	2.97
Revere Beach	31	2.90322	82262	27296	3.01
Lynn-Nahant Beach	34	2.64705	133685	43358	3.08
Middlesex Fells Zoo	56	1.60714	46522	11845	3.93

The estimated summer count shown on the same basic Table 32 was also used to develop Tables 34A and 34B showing the percentage relationship of the estimated number of cars parked at each resort to the total number of cars taxed in 1939 by municipalities and Zones. This information is graphically portrayed by Zones on Chart No. 16. The data on the number of

cars taxes were obtained from the records of the Department of Corporations and taxation. They represent 1939 figures in all cases with the exception of the ten towns marked with an asterisk and the Massachusetts total for which only 1938 figures were found available. The four Zone totals, which are of particular importance in this study, are therefore based with the exception of these ten towns on 1939 data corresponding to those on recreational use on the same table.

All these tables were then summarized into Zone totals on Table 35 which shows also the percentage of the Zone totals in terms of the total estimated summer count for each resort. These percentage relationships are also illustrated graphically on Chart No. 15 on the lower part of the same table.

Finally, the estimated count shown by municipalities and Zones on the same basic Tables 32A and 32B was also used as a basis for portraying graphically on maps the geographical distribution of use of each recreational resort. There are ten of these maps (6 to 15 inclusive) representing the ten (10) resorts. Each of these maps shows the total estimated summer count for the resort by means of a figure placed within a magnet located on it to correspond with the geographical position of the resort and to represent its drawing power. The geographical distribution of this number is shown by means of a series of circles representing the estimated total number of cars from each town found parked at the resort. The area of these circles is, in each case, proportional to the number of cars that brought visitors to the resort from the town where both the circles and the number it represents is located. Each of these maps has also in its lower left hand corner a bar chart showing the estimated number of cars at the resort by Zones. The relative importance of each resort, measured by its

total estimated summer count, is also shown in bar chart form in the lower left hand corner of the Recreational Base Map No. 5, giving also the geographical position of the ten resorts surveyed.

PHASE 5

WATER SUPPLY AND SEWAGE DISPOSAL

The project originally intended to investigate the distribution of costs of water supply and sewage disposal in the Metropolitan District. These investigations were omitted as they had been separately covered by special legislative committees whose investigations and reports were finished and submitted during 1939 and appeared to cover these matters completely, making duplication of effort by this project undesirable. These items were covered by the following acts and their consequent reports.

A. Metropolitan Sewerage Districts.

Chapter 56 of the Resolves of 1938 directed a Joint Board consisting of the Metropolitan District Commission and the Department of Public Health "to consider the advisability of establishing a method of assessing financing and maintenance costs of the Metropolitan Sewerage Districts on the basis of the volume of sewage discharged thereinto". The Report was submitted under date of April 15, 1939.

It pointed out that "many of the present Metropolitan District sewers have exceeded in length the life on which their capacity was computed, and the result is that many of these sewers are surcharged and under wet weather conditions overflow. Under these conditions certain municipalities are not able to have their sewage taken off by the trunk sewers, and, therefore, their assessments, if the attempt were made to measure the sewage, would

be entirely unfair to municipalities on the same line farther removed from the outlets where it is possible for the municipality to put practically its entire sewage into the system.

"The lack of capacity of the present sewers is being investigated by a special commission created by Chapter 79 of the Resolves of 1938. Until new relief sewers are constructed, which appear to be necessary, the Joint Board believes that it is not feasible to change the present method of assessment, namely, a proportionate assessment based on valuation for construction cost, and a proportionate assessment based on population for maintenance cost".

The Report recommends that attempts to force the separation of storm and sanitary sewage be discontinued and the system used as a combined system and to measure the amount of sewage delivered by each municipality and charge on a gallonage basis, when the relief sewers are completed.

The legislature voted "no legislation necessary".

B. Metropolitan Water System

Under Chapter 60, Resolves of 1938, the Metropolitan District Commission was directed "to investigate the advisability of establishing a new basis of payments to meet the costs of the water system of the Metropolitan Water District". The Commission submitted a report under date of March 1, 1939 and submitted therewith "Draft of Legislation amending certain provisions for the assessment of cities and towns in the the Metropolitan Water District, making certain provisions for the enlargement of the Water District and establishing a maximum limit for entrance fees".

The legislature referred this Report to the next General Court, and it will therefore be before the 1941 legislature for further consideration.

Statistical Table, Charts, and Maps

SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS
MAP NO. 1-ZONES USED AS BASIS OF SURVEY
W.P.A. PROJECT NO. 18151
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS:— METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD
SCALE IN MILES
N
W
E
S
30 MILE RADIUS
ZONE A
ZONE B
ZONE C
ZONE D
BOSTON
DESCRIPTION OF ZONES
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES
ATKINSON
AMESBURY
SALISBURY
MERRIMAC
HAVERHILL
NEWBURYPORT
NEWBURY
NEWBURY
GROVELAND
METHUEN
PELHAM
GEORGETOWN
ROWLEY
BOXFORD
IPSWICH
ROCKPORT
ASHBY
TOWNSEND
PEPPERELL
DUNSTABLE
TYNGSBOROUGH
DRACUT
ANDOVER
NORTH ANDOVER
TOPSFIELD
HAMILTON
ESSEX
GLOUCESTER
GROTON
LOWELL
CHELMSFORD
TEWKSBURY
MIDDLETON
WENHAM
MANCHESTER
FITCHBURG
LUNENBURG
WESTFORD
NORTH READING
DANVERS
BEVERLY
SHIRLEY
AYER
BILLERICA
WILMINGTON
READING
LYNNFIELD
PEABODY
LITTLETON
CARLISLE
LEOMINSTER
HARVARD
BEDFORD
BURLINGTON
WAKEFIELD
SALEM
LANCASTER
BOXBOROUGH
ACTON
WOBURN
SAUGUS
LYNN
SWAMPSCOTT
CONCORD
WINCHESTER
MELROSE
STERLING
BOLTON
STOW
LEXINGTON
MEDFORD
MALDEN
REVERE
LINCOLN
ARLINGTON
CLINTON
HUDSON
SUDBURY
WALTHAM
BELMONT
CAMBRIDGE
WATERTOWN
MAYNARD
BERLIN
WESTON
NEWTON
BOYLSTON
MARLBOROUGH
WAYLAND
BROOKLINE
BOSTON
HOLDEN
NORTHBOROUGH
SOUTHBOROUGH
FRAMINGHAM
WELLESLEY
HULL
SHREWSBURY
WESTBOROUGH
NATICK
NEEDHAM
WORCESTER
DEDHAM
ASHLAND
MILTON
QUINCY
COHASSET
DOVER
SHERBORN
WESTWOOD
GRAFTON
HOPKINTON
HOLLISTON
MEDFIELD
NORWOOD
BRAINTREE
MINGHAM
SCITUATE
AUBURN
MILLBURY
UPTON
MILLIS
CANTON
RANDOLPH
NORWELL
MILFORD
MEDWAY
WALPOLE
HOLBROOK
WEYMOUTH
SUTTON
NORTHBRIDGE
NORFOLK
AVON
ABINGTON
MARSHFIELD
HANOVER
OXFORD
FRANKLIN
SHARON
STOUGHTON
BROCKTON
WHITMAN
PEMBROKE
MENDON
HANSON
WEBSTER
UXBRIDGE
WRENTHAM
FOXBOROUGH
EAST BRIDGEWATER
DUXBURY
DOUGLAS
BLACKSTONE
EASTON
WEST BRIDGEWATER
PLAINVILLE
MANSFIELD
WOONSOCKET
HALIFAX
KINGSTON
BURRILLVILLE
NORTH SMITHFIELD
CUMBERLAND
BRIDGEWATER
LYNNFIELD
NORTON
RAYNHAM
ATTLEBORO
TAUNTON
MIDDLEBOROUGH
RUTNAM
SMITHFIELD
LINCOLN
CARVER
GLOUCESTER
PAWTUCKET
NORTH PROVIDENCE
PROVIDENCE
RENOBOTH
DIGHTON
BERKLEY
LAKEVILLE
KILLINGLY
JOHNSTON
SCITUATE
FORSTER

Phase I

Population and

Assessed Valuation Survey

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 1

TREND OF POPULATION GROWTH, (1890 - 1935)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of City or Town	1890 Population	1900 Population	1900 % Increase	1910 Population	1910 % Increase	1920 Population	1920 % Increase	1930 Population	1930 % Increase	1935 Population	1935 % Increase	Land Area	Pop. per Sq. Mile
ZONE A													
Boston	458,670	574,136	25.2	686,092	19.5	746,060	11.6	781,166	4.4	817,713	4.7	43.9	16,662
ZONE B													
Arlington	5,629	6,603	52.6	11,187	30.0	18,665	66.8	36,094	93.4	38,539	6.8	5.2	7,411
Belmont	2,098	3,929	67.3	5,542	41.1	10,749	94.0	21,746	102.3	24,631	14.2	4.6	5,398
Braintree	4,848	5,981	23.4	8,066	34.9	10,580	31.2	15,712	48.5	17,122	9.0	13.7	1,250
Brookline	12,103	19,935	64.7	27,792	39.4	37,748	35.8	47,490	25.8	50,318	6.0	6.6	7,624
Cambridge	70,028	91,886	31.2	104,839	14.1	109,694	4.6	113,643	3.6	118,075	3.9	6.3	18,742
Canton	4,536	4,584	1.0	4,797	4.6	5,945	23.9	5,816	-2.2*	6,805	11.8	19.0	342
Chelsea	27,909	34,072	22.1	32,452	-4.8*	43,164	33.1	45,816	6.1	42,673	-6.9*	1.9	22,459
Cohasset	2,448	2,759	12.7	2,585	-6.3*	2,639	2.1	3,063	16.8	3,416	10.8	9.9	345
Dedham	7,123	7,457	4.7	9,284	24.5	10,792	16.2	15,136	40.3	15,371	1.6	10.5	1,464
Dover	727	656	-9.8*	798	21.6	867	8.6	1,195	37.8	1,306	9.2	15.2	86
Everett	11,068	24,336	119.9	33,484	37.6	40,120	19.8	48,424	20.7	47,226	-2.5*	3.4	13,891
Hingham	4,564	5,059	10.8	4,965	-1.9*	5,604	12.9	6,667	18.8	7,330	10.1	22.5	326
Hull	980	1,703	72.2	2,103	23.5	1,771	-15.8*	2,047	15.6	2,619	27.9	2.4	1,091
Lexington	3,197	3,831	19.8	4,918	28.4	6,350	29.1	9,467	49.1	10,813	14.2	16.5	655
Lynn	56,727	68,513	22.9	89,336	30.4	99,148	11.0	102,320	3.2	100,909	-1.4*	10.5	9,610
Malden	23,031	33,664	46.2	44,404	31.9	49,103	10.6	58,036	18.2	57,277	-1.3*	5.1	11,231
Medford	11,079	18,244	64.7	23,150	26.9	39,038	68.6	69,714	53.0	61,444	2.9	6.2	7,493
Melrose	6,519	12,962	52.2	15,715	21.2	18,204	15.8	23,170	27.3	24,256	4.7	4.7	5,161
Milton	4,278	6,576	53.8	7,924	20.5	9,362	18.4	16,434	75.2	16,147	10.4	13.1	1,365
Nahant	660	1,152	30.9	1,164	2.8	1,318	11.3	1,654	25.5	1,746	5.7	1.0	1,746
Needham	3,035	4,016	32.3	6,026	25.1	7,012	39.5	10,845	54.7	11,828	9.1	12.5	946
Newton	24,379	33,587	37.8	39,806	18.5	46,054	15.7	65,276	41.7	66,144	1.3	17.9	3,695
Norwood	3,733	5,480	46.8	6,014	46.2	12,627	57.6	15,049	19.2	15,574	3.5	10.5	1,483
Quincy	16,723	23,899	42.9	32,642	36.6	47,876	46.7	71,963	50.4	76,909	6.8	16.5	4,661
Reading	4,088	4,969	21.6	6,816	17.1	7,439	27.9	9,767	31.3	10,703	9.6	9.8	1,092
Revere	5,668	10,395	83.4	18,219	75.3	28,823	58.2	35,680	23.8	35,319	-1.0*	6.9	5,986
Saugus	3,673	5,064	38.4	6,047	58.3	10,874	35.1	14,700	35.2	15,076	2.6	10.5	1,436
Somerville	40,152	61,643	53.5	77,236	25.3	93,091	20.5	103,908	11.6	100,773	-3.0*	3.9	25,839
Stoneham	6,155	6,197	0.7	7,090	14.4	7,873	11.0	10,060	27.8	10,841	7.8	6.1	1,777
Stoughton	4,852	5,442	12.2	6,316	16.1	6,865	8.7	8,204	19.5	8,476	3.3	16.3	520
Swampscott	3,198	4,548	42.2	6,204	36.4	8,101	30.6	10,346	27.7	10,480	1.3	3.1	3,381
Wakefield	6,982	9,290	33.1	11,404	22.8	13,025	14.2	16,316	25.3	16,494	1.1	7.4	2,229
Walpole	2,604	3,572	37.2	4,892	37.0	5,446	11.3	7,273	33.5	7,449	2.4	20.6	362
Waltham	18,707	23,481	25.5	27,834	18.5	30,915	11.1	39,247	27.0	40,557	3.3	12.4	3,271
Watertown	7,073	9,706	37.2	12,875	32.6	21,457	66.7	34,913	62.7	35,827	2.6	4.1	8,736
Wellesley	3,600	5,072	40.9	5,413	6.7	6,224	15.0	11,439	83.8	13,376	16.9	10.1	1,324
Weston	1,664	1,634	10.2	2,106	14.8	2,282	8.4	3,332	46.0	3,848	15.5	17.2	224
Westwood	-----	1,112	----	1,266	13.8	1,366	7.3	2,097	54.4	2,537	21.0	11.2	227
Weymouth	10,866	11,324	4.2	12,895	13.9	16,057	16.6	20,882	36.7	21,746	4.1	16.7	1,302
Winchester	4,861	7,249	49.1	9,309	28.4	10,485	12.6	12,719	21.3	13,371	5.1	5.9	2,266
Winthrop	2,726	6,058	122.2	10,132	67.2	15,455	52.5	16,852	9.0	17,001	0.9	1.6	10,626
Woburn	13,499	14,254	5.6	15,308	7.4	16,574	8.3	19,434	17.3	19,595	1.3	12.9	1,527
ZONE B - TOTAL	449,021	614,115	36.8	762,377	24.1	935,814	22.7	1,173,880	25.5	1,203,957	2.6	457.3	2,633
TOTAL - (ZONES A & B)	907,691	1,188,251	30.9	1,448,469	21.9	1,683,874	16.3	1,955,166	16.1	2,021,670	3.4	501.2	4,034
ZONE C													
Abington	4,260	4,489	5.4	5,455	21.5	5,787	6.1	6,872	1.5	6,696	-3.0*	10.0	670
Avon	1,384	1,741	25.8	2,013	15.7	2,176	8.1	2,414	10.9	2,362	-2.2*	4.3	549
Bedford	1,092	1,208	10.6	1,231	1.9	1,362	10.6	2,603	91.1	3,185	22.4	13.7	232
Beverly	10,821	13,664	28.3	18,650	34.3	22,561	21.0	25,086	11.2	25,871	3.1	15.1	1,713
Bridgewater	4,249	5,806	36.6	7,688	32.4	8,438	9.8	9,055	7.3	9,201	1.6	27.3	337
Brockton	27,294	40,063	46.8	56,872	42.0	66,254	16.5	63,797	-3.7*	62,407	-2.2*	21.4	2,916
Burlington	617	593	-3.9*	591	-0.4*	885	49.7	1,722	94.6	2,146	24.6	11.8	182
Concord	4,427	5,652	27.7	6,421	13.6	6,461	0.6	7,477	15.7	7,723	3.3	25.0	309
Danvers	7,454	8,542	14.6	9,407	10.1	11,108	18.1	12,957	16.6	13,864	7.2	13.6	1,021
East Bridgewater	2,911	3,025	3.9	3,363	11.2	3,486	3.7	3,591	3.0	3,670	2.2	17.3	212
Easton	4,493	4,837	7.7	5,139	6.2	5,041	-1.9*	5,298	5.1	5,294	-0.1*	29.0	183
Foxborough	2,933	3,266	11.4	3,863	18.3	4,136	7.1	5,347	29.3	5,834	9.1	19.8	295
Framingham	9,239	11,302	22.3	12,948	14.6	17,033	31.6	22,210	30.4	22,651	2.0	24.8	913
Gloucester	24,651	26,121	6.0	24,398	-6.6*	22,947	-5.9*	24,204	5.5	24,164	-0.2*	26.2	922
Hanover	2,093	2,152	2.9	2,326	8.1	2,575	10.7	2,808	9.0	2,709	-3.5*	15.5	176
Holbrook	2,474	2,229	-9.9*	2,816	26.3	3,161	12.3	3,353	6.1	3,364	0.3	7.3	461
Lincoln	987	1,127	14.2	1,176	4.3	1,042	-11.3*	1,493	43.3	1,573	5.4	14.6	108
Lynnfield	787	888	12.8	911	2.6	1,165	27.9	1,594	36.8	1,696	16.9	10.2	166
Manchester	1,789	2,522	41.0	2,673	6.0	2,466	-7.8*	2,636	6.9	2,509	-4.8*	7.7	326
Mansfield	3,432	4,006	16.7	5,183	29.4	6,255	20.7	6,364	1.7	6,543	2.8	20.2	324
Marblehead	8,202	7,582	-7.6*	7,338	-3.2*	7,324	-0.2*	8,668	18.4	10,173	17.4	4.4	2,312
Maynard	2,700	3,142	16.4	6,390	103.4	7,086	10.9	7,156	1.0	7,107	-0.7*	5.2	1,367
Medfield	1,453	2,926	98.0	3,466	18.5	3,595	3.7	4,066	13.1	4,162	2.4	14.4	289
Natick	9,118	9,486	4.1	9,866	4.0	10,907	10.7	13,569	24.6	14,394	6.9	14.9	966
Norwell	1,635	1,560	-4.6*	1,410	-9.6*	1,348	-4.4*	1,519	12.7	1,666	9.7	21.0	79
Peabody	10,156	11,523	13.4	15,721	36.4	19,552	24.4	21,345	9.2	22,082	3.5	16.4	1,346
Randolph	3,946	3,993	1.2	4,301	7.7	4,756	10.6	6,553	37.8	7,560	15.7	10.1	750
Rockland	5,213	5,327	2.2	6,928	30.1	7,544	8.9	7,524	-0.3*	7,690	4.9	10.0	769
Rockport	4,087	4,592	12.4	4,211	-8.3*	3,876	-7.9*	3,630	-6.4*	3,634	.1	7.0	519
Salem	30,801	35,956	16.7	43,697	21.6	42,529	-2.7*	43,363	1.9	43,472	.3	8.0	5,434
Scituate	2,318	2,470	6.6	2,482	0.6	2,534	2.1	3,116	23.0	3,846	23.3	16.9	226
Sharon	1,634	2,060	26.1	2,310	12.1	2,467	6.8	3,351	35.8	3,683	9.9	23.6	166
Sudbury	1,197	1,150	3.9*	1,120	-2.6*	1,121	.1	1,182	5.4	1,638	38.6	24.4	67
Wayland	2,060	2,303	11.8	2,206	-4.2*	1,935	-12.3*	2,937	51.8	3,346	13.9	15.3	219
West Bridgewater	1,917	1,711	-10.7*	2,231	30.4	2,908	30.3	3,206	10.2	3,356	4.7	16.6	217
Whitman	4,441	6,155	38.6	7,292	18.5	7,147	-2.0*	7,638	6.9	7,591	-0.6*	6.7	1,133
Wilmington	1,213	1,596	31.6	1,858	16.4	2,581	38.9	4,013	55.5	4,493	12.0	17.1	263
ZONE C - TOTAL	209,520	246,987	17.9	295,956	19.8	323,551	9.3	362,729	9.0	362,795	2.9	565.7	641
ZONE D - TOTAL	333,739	402,661	20.7	471,837	17.2	520,067	10.2	522,515	0.5	536,275	2.6	1354.5	396

*Minus Sign (-) indicates % Decrease

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 18

TREND OF POPULATION GROWTH, (1890 - 1935)

WPA Project No. 18151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of City or Town	1890	1900	% Increase	1910	% Increase	1920	% Increase	1930	% Increase	1935	% Increase	Land Area	Pop. per Sq. Mile
	Population	Population		Population		Population		Population		Population			
ZONE D													
Acton	1,897	2,120	11.8	2,136	.8	2,162	1.2	2,482	14.8	2,635	6.2	20.0	132
Andover	6,142	6,813	11.0	7,301	7.2	8,268	13.2	9,969	20.6	10,542	5.7	31.1	339
Ashland	2,532	1,525	-39.8	1,682	10.3	2,287	36.0	2,397	4.9	2,497	4.2	12.4	238
Attleboro	7,577	11,335	49.6	16,215	43.1	19,731	21.7	21,769	10.3	21,835	0.3	27.5	794
Ayer	2,148	2,446	13.8	2,797	14.3	3,052	9.1	3,060	.3	3,861	26.2	8.8	439
Bellingham	1,334	1,682	26.1	1,696	0.8	2,102	24.0	3,189	51.7	3,056	-4.2	18.5	165
Berlin	884	1,003	13.5	904	-9.9	868	-4.0	1,075	12.4	1,091	1.5	13.0	84
Billerica	2,380	2,775	16.6	2,789	0.5	3,646	30.7	5,880	61.3	6,650	13.1	25.5	261
Bolton	827	770	-7.0	764	-0.8	708	-7.3	764	7.9	739	-3.3	19.9	37
Boxborough	325	316	-2.8	317	0.3	298	-6.0	312	5.7	404	29.5	10.4	39
Carlisle	481	480	-0.2	551	14.8	463	-16.0	569	22.9	688	20.9	15.4	45
Chelmsford	2,695	3,984	47.8	5,010	25.8	5,682	13.4	7,022	23.8	7,595	8.2	22.5	338
Dracut	1,996	3,253	63.0	3,461	6.4	5,280	32.6	6,912	30.9	6,500	-6.0	20.8	313
Dunstable	416	427	2.6	408	-4.5	353	-13.5	384	8.8	419	9.1	17.0	25
Duxbury	1,908	2,075	8.8	1,688	-18.7	1,553	-8.0	1,696	9.2	2,244	32.3	24.3	92
Essex	1,713	1,663	-3.0	1,621	-2.5	1,478	-8.8	1,465	-.9	1,486	1.4	14.2	105
Franklin	4,831	5,017	3.9	5,641	12.4	6,497	15.2	7,028	8.2	7,494	6.6	26.8	280
Georgetown	2,117	1,900	-10.3	1,958	3.1	2,004	2.3	1,853	-10.8	2,009	8.4	13.1	153
Groton	2,057	2,052	-0.3	2,155	5.0	2,185	1.4	2,434	11.4	2,534	4.1	32.5	78
Groveland	2,191	2,376	8.4	2,253	-5.2	2,650	17.6	2,336	-13.4	2,219	-5.0	8.9	249
Halifax	562	522	-7.1	550	5.4	563	2.4	728	29.3	817	12.2	16.1	51
Hamilton	961	1,614	68.0	1,749	8.4	1,631	-6.8	2,044	25.3	2,235	9.3	14.7	152
Hanson	1,267	1,455	14.8	1,854	27.4	1,910	3.0	2,184	14.3	2,417	10.7	15.2	159
Harvard	1,095	1,139	4.0	1,034	-9.2	2,546	146.2	987	-25.8	952	-3.6	26.4	36
Haverhill	27,412	37,175	35.7	44,115	18.7	53,884	22.1	48,710	-10.8	49,516	1.7	33.1	1,496
Hollistown	2,619	2,598	-0.8	2,711	4.3	2,707	-0.1	2,864	5.8	2,925	2.1	18.9	155
Hopedale	1,176	2,087	77.5	2,188	4.8	2,777	26.9	2,973	7.1	3,068	3.2	5.1	602
Hopkinton	4,088	2,623	-36.0	2,452	-6.5	2,289	-6.6	2,563	12.0	2,616	2.1	28.0	92
Hudson	4,670	5,454	16.8	6,743	23.6	7,607	12.8	8,469	11.3	8,495	0.3	11.7	726
Ipswich	4,439	4,658	5.0	5,777	24.0	6,201	7.3	5,599	-10.8	6,217	11.0	33.2	187
Kingston	1,659	1,955	17.8	2,445	25.1	2,505	2.5	2,672	6.7	2,743	2.7	18.5	148
Lawrence	44,654	62,559	40.1	85,892	37.3	94,270	9.8	85,068	-10.8	86,785	2.0	6.7	12,966
Littleton	1,025	1,179	15.0	1,229	4.2	1,277	3.9	1,447	13.3	1,530	5.7	16.5	93
Lowell	77,696	94,969	22.2	106,294	11.9	112,759	6.1	100,234	-12.4	100,114	-0.1	13.4	7,471
Marlboro	13,805	13,609	-1.4	14,579	7.1	15,028	3.1	15,587	3.7	15,781	1.2	21.1	751
Marshfield	1,713	1,810	5.7	1,738	-4.0	1,379	-20.7	1,625	17.8	2,073	27.6	28.3	73
Medway	2,985	2,761	-7.5	2,696	-2.3	2,956	9.7	3,153	6.7	3,268	3.6	11.6	282
Mendon	919	911	-0.9	880	-3.4	961	9.2	1,107	11.5	1,265	14.3	17.7	71
Merrimac	2,633	2,131	-19.1	2,202	3.3	2,173	-1.3	2,392	10.1	2,209	-7.7	8.7	254
Methuen	4,814	7,512	56.0	11,448	52.4	15,189	32.7	21,069	38.7	21,073	.02	22.4	941
Middleborough	6,065	6,885	13.5	8,214	19.3	8,453	2.9	8,608	1.8	8,865	3.0	70.0	127
Middleton	924	839	-9.2	1,129	34.6	1,195	5.8	1,712	43.3	1,975	15.4	14.3	138
Milford	8,780	11,376	29.6	13,055	14.8	13,471	3.2	14,741	9.4	15,008	1.8	14.8	1,114
Millis	786	1,053	34.0	1,399	32.9	1,485	6.1	1,738	17.0	2,098	20.7	12.2	172
Newbury	1,427	1,601	12.2	1,482	-7.4	1,303	-12.1	1,530	17.4	1,576	3.0	24.1	66
Norfolk	913	980	7.3	960	-2.0	1,159	20.8	1,429	23.3	2,073	45.1	15.1	137
North Andover	3,742	4,243	13.4	5,529	30.3	6,265	13.3	6,961	11.1	7,164	2.9	26.6	269
North Attleborough	6,727	7,253	7.8	9,562	31.8	9,238	-3.4	10,197	11.0	10,202	.05	19.1	534
Northborough	1,952	2,164	10.9	1,713	-20.9	1,753	2.3	1,946	11.0	2,396	23.1	18.5	130
North Reading	874	1,035	18.4	1,059	2.3	1,286	21.4	1,945	51.2	2,321	19.3	13.3	175
Norton	1,785	1,826	2.3	2,544	39.3	2,374	-6.7	2,737	15.3	2,925	6.9	27.9	105
Pembroke	1,320	1,240	-6.1	1,336	7.7	1,358	1.6	1,492	9.9	1,621	8.6	21.5	75
Plainville	-----	-----	----	1,385	----	1,365	-1.4	1,583	16.0	1,606	1.5	11.0	146
Plympton	597	488	-18.3	561	15.0	469	-16.4	511	9.0	558	9.2	14.9	37
Raynham	1,340	1,540	14.9	1,725	12.0	1,695	-1.7	2,136	26.0	2,208	3.4	20.3	109
Rowley	1,248	1,391	11.4	1,368	-1.7	1,249	-8.7	1,356	8.6	1,495	10.3	19.1	79
Sherborn	1,381	1,483	7.4	1,428	-3.7	1,558	9.1	943	-16.5	994	5.4	16.1	62
Southborough	2,114	1,921	-9.1	1,745	-9.2	1,838	5.3	2,166	17.8	2,109	-2.6	13.8	153
Stow	903	1,002	11.0	1,115	11.3	1,101	-1.3	1,142	3.7	1,190	4.2	17.7	67
Taunton	25,448	31,036	22.0	34,259	10.4	37,137	8.4	37,355	.6	37,431	0.2	47.3	791
Tewksbury	2,515	3,683	46.4	3,750	1.8	4,450	18.7	5,585	25.5	6,563	17.5	20.7	317
Topsfield	1,022	1,030	0.8	1,174	14.0	900	-23.3	986	9.8	1,113	12.9	12.8	87
Tyngsborough	662	773	16.8	829	7.2	1,044	26.0	1,358	30.1	1,331	-2.0	16.9	79
Upton	1,878	1,937	3.1	2,071	6.9	1,693	-18.3	2,025	19.7	2,163	6.8	21.6	100
Wenham	886	847	-4.5	1,010	19.2	1,090	7.9	1,119	2.7	1,196	6.9	7.8	153
Westborough	5,195	5,400	4.0	5,446	0.9	5,789	6.3	6,409	10.7	6,073	-5.2	21.1	288
Westford	2,250	2,624	16.6	2,851	8.7	3,170	11.2	3,600	13.6	3,789	5.3	30.2	125
West Newbury	1,796	1,558	-13.3	1,472	-5.5	1,492	1.4	1,549	3.8	1,475	-4.8	13.9	106
Wrentham	2,566	2,720	6.0	1,743	-35.9	2,808	61.1	3,584	27.6	4,160	16.1	22.0	189
ZONE D TOTAL	333,739	402,661	20.7	471,837	17.2	520,067	10.2	522,515	0.5	536,275	2.6	1354.5	396

Note: Minus sign indicates decrease

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 2

VALUE OF ASSESSED PROPERTY BY MUNICIPALITIES AND ZONES, (1890-1936)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1890 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1890 Equalization of Property as used in Determining State Tax	1900 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1900 Equalization of Property as used in Determining State Tax	1910 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1910 Equalization of Property as used in Determining State Tax	1920 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1920 Equalization of Property as used in Determining State Tax	1930 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1930 Equalization of Property as used in Determining State Tax	1935 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1935 Equalization of Property as used in Determining State Tax	Net Land Area in Square Miles	Assessed Valuation per Square Mile
ZONE A														
Boston	$822,041,800	$816,761,460	$1,129,175,632	$1,069,723,586	$1,393,765,423	$1,420,981,033	$1,672,467,160	$1,660,366,499	$1,972,140,200	$2,123,536,723	$1,650,000,000	$1,861,089,890	43.9	$37,585,421
ZONE B														
Arlington	$5,564,562	$5,684,630	$8,746,206	$8,976,266	$11,887,267	$12,040,686	$24,116,118	$20,934,167	$60,917,100	$59,012,936	$59,643,360	$62,776,463	6.2	$11,489,914
Belmont	3,163,235	3,579,795	5,211,725	4,615,982	8,518,525	8,654,644	16,730,691	13,658,727	45,168,056	37,341,767	49,352,400	51,493,324	4.6	10,728,783
Braintree	3,449,650	3,680,719	4,636,650	4,962,665	6,265,860	6,477,294	11,092,239	9,945,392	24,638,925	25,347,017	25,651,150	28,785,746	13.7	1,672,347
Brookline	46,437,100	45,419,851	77,952,900	74,251,726	106,634,000	118,513,924	103,636,400	99,579,927	170,306,100	173,065,666	160,726,100	165,924,500	6.6	24,352,439
Cambridge	57,471,925	66,817,990	94,465,930	92,791,563	110,796,738	114,094,902	141,704,972	150,074,046	190,753,300	206,194,436	180,616,500	196,554,606	6.3	28,699,288
Canton	3,736,412	4,058,146	3,957,630	4,662,237	4,541,956	4,603,931	6,868,045	6,916,966	8,677,170	10,746,130	8,349,610	9,173,244	19.0	439,453
Chelsea	20,798,339	20,407,301	23,711,750	23,673,450	25,720,100	25,493,242	41,364,400	39,697,831	56,431,350	66,464,677	46,762,060	50,860,661	1.9	24,611,605
Cohasset	3,760,336	5,343,200	5,550,262	6,267,226	6,901,723	8,426,307	6,847,539	6,462,771	10,733,522	10,951,168	10,287,667	10,670,224	9.9	1,039,156
Dedham	5,474,599	5,796,550	6,807,220	6,717,015	13,326,702	14,247,994	16,311,565	14,539,216	24,960,775	28,543,460	25,202,850	26,424,612	10.5	2,400,252
Dover	737,535	732,697	660,300	1,111,197	5,467,126	5,738,416	2,797,267	3,028,036	3,639,036	4,108,976	3,901,270	3,276,639	16.2	256,653
Everett	7,889,650	8,677,976	18,705,100	15,065,406	27,777,700	27,342,393	40,855,050	42,490,326	72,156,400	75,469,874	73,016,300	76,943,336	3.4	22,063,324
Hingham	3,724,662	4,174,081	4,152,059	4,751,429	7,881,610	6,930,664	8,917,067	7,366,656	16,142,005	16,263,143	15,301,668	16,099,731	22.5	680,084
Hull	2,442,212	2,199,974	4,118,111	3,766,016	7,016,660	6,605,743	13,176,160	11,626,682	18,279,630	18,377,692	17,951,620	18,720,207	2.4	7,479,600
Lexington	3,378,189	3,538,925	5,162,060	5,063,424	7,826,960	8,640,266	9,945,296	8,917,019	20,768,272	19,976,906	21,592,437	23,247,066	16.3	1,306,533
Lynn	40,721,026	34,333,007	51,593,386	52,637,073	72,646,640	74,081,912	101,644,572	106,443,604	140,896,646	146,426,464	137,633,010	146,668,476	10.6	13,098,382
Malden	17,257,475	17,168,571	27,287,540	29,649,386	40,491,384	45,004,522	44,642,777	43,759,862	71,914,628	73,926,667	70,242,975	74,147,773	5.1	13,773,132
Medford	9,932,225	11,366,333	19,776,400	19,391,980	23,663,100	24,264,076	39,159,650	36,665,712	80,003,900	77,329,390	80,823,260	83,506,372	8.2	9,656,494
Melrose	6,724,705	6,243,096	12,778,365	12,693,426	16,463,866	17,063,560	21,065,400	19,635,396	35,910,060	37,287,609	36,662,400	39,434,533	4.7	7,643,064
Milton	14,411,350	15,765,978	20,646,999	22,192,943	26,669,650	30,027,646	21,293,328	20,733,252	35,292,700	39,690,116	37,764,350	38,777,417	13.1	2,884,302
Nahant	4,598,611	6,388,267	5,374,540	8,557,070	8,225,246	8,076,496	4,159,697	4,597,237	6,000,000	6,297,346	5,663,204	6,252,371	1.0	5,663,204
Needham	5,871,729	2,137,624	3,406,360	3,352,763	6,105,316	6,143,578	10,945,340	10,882,037	22,541,450	21,636,033	22,867,760	25,942,164	12.8	1,616,020
Newton	36,159,025	37,623,507	57,634,720	59,103,233	73,587,510	80,637,081	66,376,360	81,640,920	169,960,700	160,556,304	164,422,660	167,301,170	17.9	9,185,634
Norwood	2,564,556	2,364,633	4,476,609	3,817,386	14,033,260	14,510,678	18,647,486	20,153,341	27,032,881	30,235,446	24,377,640	27,145,060	10.5	2,321,670
Quincy	13,677,410	10,256,616	20,291,376	18,945,036	32,456,360	30,606,390	58,377,605	61,947,249	141,758,726	140,099,616	124,543,900	130,962,970	16.6	7,548,116
Reading	2,837,130	2,676,666	4,412,574	4,307,987	5,896,664	5,742,532	9,196,443	8,690,009	16,630,425	16,617,331	16,588,560	17,125,038	9.8	1,692,710
Revere	4,966,635	4,632,392	10,217,460	9,494,957	17,719,612	15,660,166	28,537,600	25,168,868	41,649,260	42,907,105	40,985,760	38,032,446	5.9	6,946,737
Saugus	2,492,666	2,372,237	3,676,639	3,398,108	5,510,516	5,632,670	8,462,186	7,963,680	14,161,420	14,262,384	16,694,677	15,713,654	10.6	1,499,496
Somerville	32,557,500	29,784,333	52,513,400	51,475,670	66,376,338	65,411,419	83,910,865	86,319,796	122,420,200	127,799,943	117,162,500	122,288,229	3.9	30,046,795
Stoneham	3,406,671	3,326,564	5,143,300	4,945,050	5,055,916	5,182,026	7,396,820	6,803,432	16,642,175	13,600,617	14,424,076	16,196,900	6.1	2,364,602
Stoughton	2,366,365	2,186,640	2,962,416	3,110,123	3,554,968	3,532,469	5,867,198	5,884,306	8,666,116	10,652,016	8,641,628	9,584,997	16.3	524,020
Swampscott	4,859,327	4,952,289	5,565,175	6,327,670	11,167,540	11,274,093	16,324,664	14,797,805	23,252,655	27,296,133	23,376,299	27,266,571	3.1	7,540,742
Wakefield	4,603,365	4,569,080	7,765,215	7,479,667	9,380,540	9,671,533	13,550,701	13,967,661	22,903,010	24,703,006	21,418,203	22,857,445	7.4	2,894,352
Walpole	1,945,210	1,659,599	2,665,660	2,422,812	5,402,570	4,556,099	8,109,626	9,166,220	16,331,364	16,733,317	14,326,562	15,459,026	20.8	695,465
Waltham	15,210,714	13,827,879	20,049,939	19,627,274	26,104,365	28,563,213	36,249,575	33,331,616	59,326,000	61,134,636	55,743,450	59,726,360	12.4	4,495,440
Watertown	7,267,622	7,522,473	10,743,242	10,282,862	14,423,081	15,479,139	26,092,703	29,116,299	53,521,720	58,127,777	63,046,330	66,246,222	4.1	12,938,129
Wellesley	6,231,584	6,082,296	6,936,675	8,225,469	15,105,766	15,322,124	18,234,610	16,305,003	36,432,205	34,636,663	36,944,860	40,516,841	10.1	3,855,927
Weston	2,924,383	2,712,371	4,435,527	4,343,414	6,924,245	6,746,609	5,411,290	5,427,286	8,961,450	9,143,341	10,055,227	10,554,209	17.2	584,606
Westwood	---------	---------	1,314,895	1,086,569	2,960,355	2,741,179	2,760,223	2,711,339	4,579,296	4,691,436	5,048,474	5,371,615	11.2	450,757
Weymouth	6,441,845	6,511,741	6,694,088	7,119,022	7,929,074	8,323,916	14,611,209	14,020,601	45,242,211	48,430,115	46,809,207	49,677,166	18.7	2,802,947
Winchester	4,667,055	4,875,040	8,483,680	7,968,182	12,756,750	13,826,399	22,322,125	18,139,162	31,827,075	32,013,468	31,669,700	32,855,092	5.9	5,567,745
Winthrop	3,521,381	3,049,960	6,996,225	6,142,667	13,195,300	12,219,155	16,229,450	16,799,768	25,843,600	26,449,010	24,506,550	25,611,028	1.6	15,316,594
Woburn	8,816,306	9,289,403	10,555,975	10,582,137	11,491,511	11,636,866	16,377,302	16,979,638	22,193,302	22,679,665	21,148,940	21,821,641	12.9	1,635,453
ZONE B - TOTAL	$440,008,995	$434,563,478	$662,684,703	$655,757,603	$907,916,769	$939,350,596	$1,193,142,209	$1,164,534,957	$2,012,117,711	$2,071,457,217	$1,965,206,232	$2,066,641,647	413.5	$4,752,614
TOTAL-(ZONES A&B)	$1,262,050,795	$1,251,324,938	$1,791,860,335	$1,725,481,188	$2,301,682,192	$2,360,331,629	$2,765,609,369	$2,824,901,456	$3,984,285,911	$4,194,995,940	$3,615,206,232	$3,927,731,737	457.4	$7,903,817
ZONE C														
Abington	$2,184,645	$2,220,863	$2,413,697	$2,396,979	$3,062,120	$2,991,324	$4,243,042	$4,567,010	$5,769,059	$7,376,490	$5,550,661	$5,983,663	10.0	$555,069
Avon	618,085	529,980	831,500	616,451	971,975	979,471	1,398,341	1,235,460	1,863,425	2,392,046	1,783,100	1,966,440	4.3	410,023
Bedford	878,236	915,544	1,104,477	1,065,185	1,363,230	1,449,334	2,283,686	2,034,923	2,862,001	2,913,327	2,883,450	2,929,301	13.7	210,471
Beverly	13,156,375	15,541,303	16,135,475	16,605,894	35,643,476	36,806,035	41,903,615	38,539,805	48,438,400	60,706,949	42,878,200	45,695,474	15.1	2,839,618
Bridgewater	2,244,551	2,543,640	2,535,742	2,575,071	3,467,827	3,469,277	4,761,311	5,762,230	5,280,824	7,967,582	5,116,225	5,979,892	27.3	187,408
Brockton	17,477,847	15,370,761	27,868,799	26,349,613	43,363,741	43,911,145	60,628,361	68,829,929	79,278,460	85,417,652	75,256,800	80,020,978	21.4	3,517,234
Burlington	510,094	498,353	574,932	505,129	695,383	628,898	1,424,102	1,136,046	2,592,442	2,468,517	2,352,387	2,521,831	11.8	199,353
Concord	3,605,306	3,996,011	4,684,383	4,670,606	7,319,263	7,610,410	7,331,006	7,777,595	8,580,010	9,666,586	9,733,135	10,814,011	25.0	389,325
Danvers	3,900,575	4,045,203	5,227,990	5,195,764	6,470,425	6,526,501	8,671,926	9,155,522	12,066,950	13,784,078	11,621,900	14,163,373	13.6	869,257
East Bridgewater	1,483,091	1,646,752	1,493,066	1,567,928	2,087,387	2,303,768	3,614,481	4,144,011	4,666,636	6,205,316	4,566,083	5,387,198	17.3	263,935
Easton	4,204,260	4,643,575	4,775,337	5,274,974	6,769,731	5,988,598	4,476,684	4,366,913	5,289,570	6,917,930	5,090,555	5,645,645	29.0	175,538
Foxborough	1,513,440	1,455,126	2,077,914	1,988,351	2,414,966	2,294,432	3,163,220	3,110,995	5,798,278	6,435,698	5,826,705	6,011,992	19.6	279,076
Framingham	7,861,630	7,869,012	8,809,900	9,601,863	11,962,940	12,041,289	22,675,720	23,661,240	35,023,027	38,728,100	33,646,770	37,316,728	24.8	1,364,789
Gloucester	13,945,439	13,671,259	16,027,483	16,341,497	23,739,498	23,264,233	29,692,552	29,462,107	39,733,794	40,398,928	39,006,360	41,402,694	25.2	1,468,782
Hanover	1,178,160	1,256,257	1,231,009	1,453,823	1,514,440	1,619,614	2,336,728	2,161,294	3,503,966	3,819,976	3,638,645	3,953,461	15.5	228,300
Holbrook	1,107,230	1,467,861	1,217,660	1,398,568	1,476,106	1,615,692	2,132,630	2,155,011	3,276,659	4,177,941	3,088,714	3,529,479	7.3	483,112
Lincoln	1,539,688	1,755,034	2,237,295	2,039,607	3,473,934	3,520,205	1,969,111	1,998,271	2,889,140	2,963,788	3,083,885	3,510,698	14.6	211,225
Lynnfield	601,362	568,364	672,245	660,219	994,791	800,196	1,976,018	1,649,932	3,364,842	3,400,232	3,715,176	4,035,834	10.2	364,233
Manchester	7,471,964	8,010,644	6,723,604	8,700,716	15,238,265	16,947,227	11,539,926	12,802,237	12,566,613	13,996,068	11,420,865	12,286,860	7.7	1,483,229
Mansfield	1,573,569	1,391,501	1,978,066	1,915,408	4,279,189	4,092,054	6,346,866	6,781,843	7,862,923	9,016,803	7,366,740	7,727,072	20.2	364,641
Marblehead	4,741,200	4,654,996	8,515,279	5,922,249	8,785,944	8,165,136	11,876,027	11,639,237	20,149,606	20,296,976	20,195,910	20,689,898	4.4	4,589,980
Maynard	1,960,588	2,084,431	2,125,541	2,204,751	3,933,417	3,884,701	6,184,280	4,863,309	8,927,960	6,270,961	8,149,705	8,974,281	5.2	1,182,636
Medfield	1,191,438	1,231,948	1,452,656	1,485,980	1,598,192	1,900,642	2,209,389	2,295,847	8,611,987	3,357,896	2,732,399	2,757,392	14.4	189,750
Natick	5,439,375	5,435,896	6,989,075	6,049,662	8,221,600	8,225,366	9,754,426	9,006,801	19,346,176	17,659,796	18,970,576	21,324,136	14.9	1,273,193
Norwell	864,197	1,117,521	850,074	1,025,816	1,089,040	1,090,736	1,341,430	1,307,452	1,987,560	2,152,561	2,041,255	2,134,378	21.0	97,203
Peabody	7,283,450	7,878,575	8,143,820	8,129,634	11,091,060	11,110,161	20,623,636	26,501,199	23,648,800	27,897,801	23,639,100	24,530,289	16.4	1,441,409
Randolph	2,044,710	2,464,751	1,904,450	2,247,671	2,307,400	2,302,882	3,006,800	3,207,898	5,797,950	6,167,385	5,993,200	6,164,390	10.1	593,386
Rockland	2,694,735	2,490,781	3,176,644	3,065,706	4,226,125	4,234,547	6,629,853	6,665,834	8,388,882	10,047,594	8,182,987	8,542,460	10.0	816,297
Rockport	2,139,674	2,165,107	2,772,506	2,841,577	3,428,665	3,348,460	4,546,264	4,467,604	5,684,610	6,012,703	5,613,030	6,076,639	7.0	801,667
Salem	26,178,190	29,292,287	27,676,291	30,253,233	33,885,900	36,023,941	45,965,245	46,304,119	58,257,180	62,664,334	57,946,090	61,142,467	8.0	7,243,281
Scituate	1,867,845	1,946,927	2,642,700	2,500,847	4,657,890	4,636,042	7,295,345	6,368,528	13,322,442	13,260,270	12,766,073	13,149,772	16.9	755,389
Sharon	1,170,470	1,291,433	1,840,700	1,945,091	2,785,025	2,884,364	3,629,222	3,595,783	6,886,309	6,894,662	6,024,850	6,503,801	23.6	255,290
Sudbury	1,043,245	1,163,453	1,176,572	1,211,110	1,317,440	1,303,185	1,490,065	1,521,866	2,349,600	3,059,276	2,399,505	3,027,593	24.4	90,690
Wayland	1,565,115	1,566,068	1,649,275	1,686,851	2,840,162	2,642,464	3,015,300	2,591,480	5,506,389	5,710,565	5,585,874	6,294,521	15.3	363,783
West Bridgewater	1,032,038	1,047,949	1,252,769	1,046,602	1,342,167	1,315,410	2,077,244	1,925,257	3,088,946	3,316,327	3,084,907	3,161,259	15.5	199,026
Whitman	3,104,640	2,940,565	3,643,840	3,738,588	4,994,721	4,936,660	6,262,976	6,081,056	8,060,760	9,560,668	7,912,845	8,703,040	6.7	1,181,022
Wilmington	740,167	652,842	1,096,677	1,029,997	1,522,801	1,465,906	2,441,419	2,276,237	4,262,475	4,085,053	4,360,403	4,412,259	17.1	254,994
ZONE C - TOTAL	$152,147,246	$158,644,555	$164,726,543	$186,829,204	$272,924,026	$278,374,480	$360,126,790	$372,027,603	$486,756,854	$528,089,967	$471,176,044	$506,468,472	565.7	$ 832,906
ZONE D - TOTAL	$291,623,609	$225,401,295	$274,400,259	$275,667,267	$364,514,637	$374,456,056	$556,286,076	$521,674,531	$653,421,540	$755,748,733	$590,436,070	$634,648,005	1354.8	$ 435,580

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 28

VALUE OF ASSESSED PROPERTY BY MUNICIPALITIES AND ZONES (1890-1936)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1890 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1890 Equalization of Property as used in Determining State Tax	1900 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1900 Equalization of Property as used in Determining State Tax	1910 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1910 Equalization of Property as used in Determining State Tax	1920 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1920 Equalization of Property as used in Determining State Tax	1930 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1930 Equalization of Property as used in Determining State Tax	1936 Assessed Value of Real Estate and Tangible Personal Property for Local Tax	1936 Equalization of Property as used in Determining State Tax	Net Land Area in Square Miles	Assessed Valuation per Square Mile
ZONE D														
Acton	$1,449,415	$1,393,411	$1,654,900	$1,598,713	$2,206,525	$2,167,930	$2,414,185	$2,599,911	$3,729,405	$3,814,865	$3,772,638	$4,116,517	20.0	$166,642
Andover	4,166,933	6,376,162	5,069,671	5,424,889	6,737,207	6,258,227	10,086,766	9,858,714	17,063,808	23,721,861	16,192,060	16,884,941	31.1	520,645
Ashland	1,271,394	1,365,307	1,039,354	1,188,428	1,251,434	1,210,363	2,084,150	1,831,639	2,650,260	2,893,520	2,614,810	2,958,051	12.4	210,872
Attleboro	4,025,335	3,987,919	7,086,770	5,735,417	15,896,725	15,186,731	22,106,770	21,816,923	25,525,465	28,946,664	25,281,166	26,500,139	27.5	919,315
Ayer	1,394,141	1,292,605	1,554,047	1,404,364	2,178,250	2,116,076	3,055,335	3,457,847	3,615,826	4,107,347	3,586,900	3,685,717	6.8	407,802
Bellingham	522,410	607,053	752,600	740,708	906,845	895,813	1,526,955	1,481,072	2,636,912	3,038,522	2,322,037	2,548,644	18.5	125,516
Berlin	495,996	502,380	509,196	490,128	591,580	582,307	867,607	868,430	1,019,697	1,069,361	1,072,282	13.0	81,473
Billerica	1,795,395	1,980,764	2,077,284	2,245,819	2,510,865	2,855,846	6,854,879	6,769,855	9,274,735	11,592,182	8,968,513	9,853,115	25.6	351,710
Bolton	495,569	502,484	483,852	478,130	583,597	500,181	842,275	813,678	1,163,415	1,332,384	1,107,777	1,152,067	19.9	55,567
Boxborough	238,875	251,752	237,104	230,031	266,005	268,562	351,644	321,443	385,861	367,046	391,761	375,037	10.4	37,571
Carlisle	360,971	401,845	383,895	341,940	477,197	524,114	582,688	498,863	1,003,484	911,918	1,067,928	1,112,623	15.4	69,346
Chelmsford	1,777,035	1,774,169	2,448,848	2,390,499	4,419,940	4,615,068	6,421,540	5,809,730	7,090,615	9,981,876	6,669,706	7,107,516	22.5	296,431
Dracut	1,581,607	1,304,167	2,047,019	2,037,333	2,471,131	2,329,492	3,311,301	2,673,771	4,032,054	5,824,763	4,020,595	4,126,021	20.8	193,298
Dunstable	293,558	322,423	296,611	309,580	355,709	383,556	434,890	523,742	451,674	533,599	460,275	465,184	17.0	27,075
Duxbury	1,200,484	1,423,712	1,652,851	1,686,606	2,298,394	2,308,400	4,231,456	3,446,917	7,133,018	7,085,239	7,144,982	7,393,436	24.3	294,032
Essex	866,462	972,376	977,227	1,129,878	1,162,585	1,212,445	1,370,514	1,391,653	1,569,880	1,654,738	1,697,030	2,019,404	14.2	119,509
Franklin	2,392,425	2,400,825	3,336,545	3,205,729	3,938,555	3,922,637	6,462,986	6,017,266	9,285,490	10,415,705	8,724,700	9,606,739	26.9	325,549
Georgetown	1,031,200	1,029,304	1,002,100	1,046,032	1,037,145	1,028,318	1,497,903	1,360,651	1,817,102	2,048,335	1,667,268	2,008,318	13.1	127,272
Groton	2,896,917	3,141,249	2,727,694	3,135,694	3,963,406	4,283,327	3,190,550	3,195,133	4,197,597	5,002,440	3,829,279	5,815,291	32.5	117,824
Groveland	914,201	912,744	978,292	987,023	1,163,476	1,175,229	1,610,246	1,506,326	1,662,952	2,112,925	1,577,291	1,552,553	9.0	177,224
Halifax	264,375	252,479	281,727	273,206	617,373	542,205	941,155	795,324	1,614,359	1,580,943	1,433,516	1,492,251	16.1	69,044
Hamilton	837,430	946,053	2,299,870	1,937,580	4,014,048	4,419,559	4,250,789	4,163,357	5,788,648	5,962,264	5,725,581	6,016,008	14.7	389,495
Hanson	606,680	629,150	694,731	688,110	1,255,095	1,129,912	2,085,278	2,425,926	2,579,589	2,878,676	2,664,739	2,043,908	15.2	175,433
Harvard	962,187	1,118,111	970,398	1,054,954	1,363,803	1,353,506	2,053,333	2,106,286	2,350,997	2,800,494	2,141,610	2,600,092	26.4	61,122
Haverhill	17,870,772	17,476,388	26,443,933	26,085,368	32,929,962	32,577,268	64,125,571	53,770,544	83,509,675	70,463,705	54,329,950	57,045,222	33.1	1,641,388
Holliston	1,522,290	1,603,240	1,476,676	1,630,079	1,645,179	1,727,538	3,577,881	2,174,257	3,491,851	3,944,614	3,615,019	4,025,305	19.0	191,271
Hopedale	1,371,970	1,450,176	4,192,333	3,929,418	5,927,840	6,671,281	3,397,653	5,993,236	4,146,954	6,424,923	4,583,816	6,498,780	5.1	898,787
Hopkinton	2,282,199	2,271,495	1,712,060	1,916,869	1,619,215	1,616,003	2,093,587	1,948,896	2,598,295	3,043,276	2,619,400	3,030,636	27.9	101,054
Hudson	2,490,115	2,267,611	3,071,496	3,194,598	3,843,615	4,406,495	5,827,389	5,537,044	7,066,645	6,963,073	6,850,481	7,228,465	11.7	585,511
Ipswich	2,350,610	2,442,982	3,245,335	3,211,226	4,785,506	5,150,855	6,052,526	6,785,382	7,572,073	8,409,531	6,951,866	7,045,589	33.2	209,394
Kingston	1,648,830	2,120,675	1,381,970	1,723,561	1,615,840	1,834,323	1,844,360	1,795,006	4,470,070	4,564,860	4,383,449	4,483,307	18.5	236,943
Lawrence	30,476,223	29,563,008	39,841,697	37,327,496	55,446,007	64,241,036	104,659,330	101,226,232	124,448,925	148,467,176	98,788,725	106,659,876	8.7	14,744,586
Littleton	770,095	849,273	903,730	920,769	1,136,923	1,115,794	1,630,355	1,393,686	2,584,200	2,785,296	2,633,750	3,032,766	18.5	171,742
Lowell	52,046,799	61,040,916	71,496,735	76,080,698	79,844,448	85,175,700	123,803,827	106,518,105	128,249,769	143,080,132	110,340,760	110,546,694	13.4	8,234,907
Marlboro	8,284,638	5,653,985	9,200,127	9,311,129	10,423,083	10,898,089	13,293,501	12,641,963	16,829,878	19,625,907	16,032,931	16,796,903	21.0	763,473
Marshfield	1,115,289	1,217,253	1,329,245	1,464,422	1,957,325	2,002,795	3,021,935	2,806,084	7,350,170	6,809,940	7,573,076	7,928,706	28.3	267,600
Medway	1,211,890	1,431,748	1,402,085	1,431,065	1,487,795	1,453,664	2,407,055	1,943,583	3,062,295	3,664,661	3,162,085	3,504,641	11.6	274,318
Mendon	549,807	596,181	538,797	567,785	701,445	757,307	811,820	798,767	1,302,600	1,370,278	1,336,500	1,373,598	17.7	75,508
Merrimac	1,356,750	1,381,722	1,268,940	1,322,155	1,327,514	1,297,240	1,726,342	1,749,300	1,943,450	2,510,082	1,756,750	1,539,185	8.7	201,925
Methuen	3,131,251	3,137,889	4,719,595	4,012,682	7,198,034	6,675,090	18,712,925	14,639,117	19,147,175	24,417,746	18,155,290	20,366,021	22.4	810,604
Middleborough	3,365,716	3,311,498	3,900,798	4,197,688	4,644,805	5,053,958	5,914,217	5,670,188	9,194,140	10,108,376	8,001,365	9,440,403	70.0	114,305
Middleton	564,407	566,562	569,923	538,103	818,072	832,913	1,119,101	1,070,551	1,843,750	1,773,651	1,955,929	2,155,927	14.3	136,778
Milford	4,871,754	5,125,713	5,696,060	5,610,982	9,331,470	8,830,094	12,046,230	10,967,703	15,245,325	16,383,807	14,536,475	15,852,783	14.8	982,329
Millis	501,490	497,678	698,375	743,100	1,102,381	1,107,323	2,047,446	2,085,252	2,844,208	3,536,714	3,021,835	3,427,864	12.2	247,691
Newbury	963,120	1,162,702	1,093,134	1,135,082	1,263,620	1,308,349	1,623,781	2,115,755	2,219,713	2,533,197	2,104,421	2,220,924	24.0	87,684
Norfolk	501,156	482,458	588,715	524,521	672,702	855,701	1,330,423	1,333,412	1,899,034	1,904,380	1,576,464	1,667,516	15.1	104,402
North Andover	2,499,847	3,193,475	4,274,611	3,634,576	4,937,732	5,211,428	7,296,129	9,174,392	8,305,802	10,784,671	7,947,322	9,383,269	26.6	298,772
North Attleboro	3,708,528	3,752,244	3,896,319	4,040,430	7,732,240	7,004,337	8,523,600	9,288,631	10,280,400	11,649,139	10,004,150	10,383,858	19.1	523,777
Northboro	1,254,092	1,357,659	1,274,147	1,336,679	1,391,342	1,395,575	2,045,808	2,004,528	2,095,466	2,285,370	2,066,415	2,108,466	18.5	111,698
North Reading	529,725	501,151	555,429	518,612	736,410	731,082	1,517,842	1,146,319	2,324,348	2,390,411	2,459,320	2,852,467	13.3	184,911
Norton	782,000	650,356	867,865	855,117	1,303,500	1,250,499	2,073,450	1,988,237	2,326,950	2,879,433	2,198,550	2,383,997	28.0	78,801
Pembroke	647,925	650,296	623,410	645,658	954,061	997,428	1,449,065	1,480,986	2,836,415	2,969,550	2,566,880	2,952,122	21.5	120,320
Plainville	---------	---------	---------	---------	821,947	794,020	1,188,154	1,127,417	1,616,089	1,859,176	1,525,301	1,553,844	11.0	138,664
Plympton	306,399	296,081	331,067	323,566	387,629	378,223	570,668	526,758	722,223	779,787	702,799	758,378	14.9	47,168
Reynham	851,576	975,045	750,484	876,386	773,724	854,541	1,365,849	1,317,263	1,823,258	2,135,293	1,786,646	1,845,817	20.3	88,007
Rowley	592,545	589,658	688,103	694,070	918,629	769,376	1,098,021	1,110,884	1,399,083	1,713,911	1,363,671	1,503,696	19.0	71,772
Sherborn	826,280	898,103	836,170	809,283	1,391,343	1,658,583	1,760,070	1,845,992	1,920,042	1,838,609	1,940,725	2,511,648	16.0	121,295
Southborough	1,371,738	1,626,662	1,451,559	1,882,308	1,949,283	3,016,518	2,380,611	2,665,277	3,172,800	3,989,581	3,035,062	3,839,873	13.8	219,932
Stow	827,624	963,082	795,899	898,497	1,024,569	956,940	1,579,593	1,196,938	1,628,252	1,824,333	1,410,877	1,497,471	17.7	79,711
Taunton	17,823,032	16,628,560	20,853,680	22,071,419	22,780,761	25,328,745	34,811,725	34,144,456	36,764,660	45,634,820	35,111,880	37,747,185	47.3	742,323
Tewksbury	1,465,495	1,454,409	1,725,099	1,658,424	1,467,341	1,341,886	2,669,748	2,828,416	3,503,157	3,763,788	4,507,045	4,605,585	20.7	817,732
Topsfield	1,066,590	1,107,185	859,435	811,390	1,589,319	1,429,710	2,361,460	2,476,756	2,983,786	3,144,136	3,025,930	4,012,594	12.8	236,401
Tyngsborough	370,621	397,694	417,829	419,894	519,803	593,866	940,055	907,808	1,184,660	1,234,653	1,210,350	1,652,468	17.0	71,618
Upton	927,417	903,432	1,283,626	1,068,710	1,125,881	1,184,040	1,482,953	1,447,233	1,331,655	1,607,430	1,351,815	1,468,848	21.6	62,584
Wenham	550,000	563,223	1,032,000	630,867	2,567,975	2,787,026	2,708,410	2,345,339	3,608,498	3,770,626	3,613,765	4,011,097	7.8	486,944
Westborough	2,783,504	2,686,669	2,939,469	2,955,671	3,244,158	3,363,258	3,712,997	3,533,083	4,602,072	4,735,926	4,769,078	4,869,972	21.1	226,023
Westford	1,079,853	1,197,060	1,281,677	1,456,856	1,932,232	2,344,168	2,735,339	3,807,039	4,038,160	5,223,666	3,947,935	4,458,364	30.2	130,726
West Newbury	910,431	1,054,525	870,620	919,909	1,074,176	1,130,671	1,082,889	1,045,305	1,207,165	1,294,283	1,204,435	1,613,561	13.9	89,650
Wrentham	1,354,008	1,474,721	1,519,375	1,520,456	1,280,907	1,233,616	1,908,254	1,967,899	3,574,951	3,728,608	3,610,165	3,844,339	22.0	164,098
ZONE D - TOTAL	221,523,609	225,603,295	274,400,259	275,667,287	364,514,637	374,456,055	556,288,076	521,874,531	653,421,540	755,748,733	590,436,070	634,646,005	1,354.5	435,980

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius (69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

TABLE 3

A. SUMMARY OF STATISTICAL TABLES ON

POPULATION AND ASSESSED VALUES.

1890 - 1935

TABLE	1890	1900		1910		1920		1930		1935			
	Population	Population	% Increase	Population	% Increase	Population	% Increase	Population	% Increase	Population	% Increase	Land Area	Pop. per Sq. Mile
1 Trend of Population Growth													
Zone A	458,670	574,136	25.2	686,092	19.5	748,060	11.8	781,188	4.4	817,713	4.7	43.9	18,628
B	448,021	614,115	36.8	762,377	24.1	935,814	22.7	1,173,980	25.5	1,203,957	2.6	457.3	2,633
A & B	907,691	1,188,251	30.9	1,448,469	21.9	1,683,874	16.3	1,955,168	16.1	2,021,670	3.4	501.2	4,034
C	206,520	246,587	17.9	295,956	19.8	323,551	9.3	352,729	9.0	362,795	2.9	565.7	641
D	333,739	402,661	20.7	471,837	17.2	520,067	10.2	522,515	0.5	536,275	2.6	1354.5	396

TABLE	1890		1900		1910		1920		1930		1935			
	Assessed Value of Real Estate and Tangible Personal Property for Local Tax	Equalization of Property as used in Determining State Tax	Assessed Value of Real Estate and Tangible Personal Property for Local Tax	Equalization of Property as used in Determining State Tax	Assessed Value of Real Estate and Tangible Personal Property for Local Tax	Equalization of Property as used in Determining State Tax	Assessed Value of Real Estate and Tangible Personal Property for Local Tax	Equalization of Property as used in Determining State Tax	Assessed Value of Real Estate and Tangible Personal Property for Local Tax	Equalization of Property as used in Determining State Tax	Assessed Value of Real Estate and Tangible Personal Property for Local Tax	Equalization of Property as used in Determining State Tax	Net Land Area in Square Miles	Assessed Valuation per Square Mile
2 Value of Assessed Property														
Zone A	$ 822,041,800	$ 816,761,460	$1,129,175,832	$1,069,723,585	$1,393,765,423	$1,420,981,033	$1,572,457,180	$1,650,368,499	$1,972,148,200	$2,123,536,723	$1,650,000,000	$1,861,089,890	43.9	$37,585,421
B	440,908,995	474,543,478	662,664,703	655,757,803	907,916,769	939,350,596	1,193,142,209	1,164,534,957	2,012,117,711	2,071,457,217	1,965,206,232	2,066,641,847	413.5	4,752,614
A&B	1,262,950,795	1,291,304,938	1,791,840,535	1,725,481,388	2,301,682,192	2,360,331,629	2,765,599,389	2,814,903,456	3,984,265,911	4,194,993,940	3,615,206,232	3,927,731,737	457.4	7,903,817
C	182,147,866	188,644,550	184,728,543	186,829,204	272,924,026	276,374,450	360,126,799	372,027,803	486,756,854	526,089,957	471,175,044	506,488,472	565.7	832,906
D	221,693,609	225,693,295	274,400,259	275,667,287	364,514,637	374,456,055	556,288,076	521,874,531	653,421,540	765,748,733	590,436,070	634,646,005	1354.5	435,980

B. POPULATION

PERCENTAGE DISTRIBUTION BY ZONES

ZONES	1920	%	1930	%	% over 1920	1935	%	% over 1920
A	748,060	29.60	781,188	27.60	4.43	817,713	28.00	9.31
B	935,814	37.02	1,173,980	41.46	25.45	1,203,957	41.22	28.65
C	323,551	12.80	352,729	12 46	9.02	362,795	12.42	12.13
D	520,067	20.58	522,515	18.46	.47	536,275	18.36	31.17
Total	2,527,492	100.00	2,830,412	100.00	11.19	2,920,740	100.00	15.56

C. ASSESSED VALUATION

DISTRIBUTION BY ZONES AND PER CAPITA

ZONES	1920	%	Per Cap.	1930	%	Per Cap.	1935	%	Per Cap.
A	$1,572,457,180	42.71	$2,102	$1,972,148,200	38.49	$2,525	$1,650,000,000	35.28	$2,018
B	1,193,142,209	32.40	1,275	2,012,117,711	39.26	1,714	1,965,206,232	42.02	1,632
C	360,126,799	9.78	1,113	486,766,854	9.50	1,380	471,178,044	10.07	1,299
D	556,288,076	15.11	1,070	653,421,540	12.75	1,251	590,436,070	12.63	1,101
Total	$3,682,014,264	100.00	$1,457	$5,124,444,305	100.00	$1,810	$4,676,817,346	100.00	$1,601

Phase II

Highway Expenditures Survey

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cene.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 4

STATE EXPENDITURES FROM STATE HIGHWAY FUND FOR STATE HIGHWAY CONSTRUCTION

1920 - 1936.

(Exclusive of Expenditures by Special Acts.)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$ -----	$ 3,222	$ 54,420	$ 21	$ -----	$ -----	$ -----	$ -----	$ -----	$ -----	$ -----	$ -----	$ 69,831	$ 100,152	$ 658,769	$ 732,767	$ 910,746
ZONE B																	
Arlington	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	$18,035	$473,766	$162,417	$50,604
Belmont	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,004	142,974	71,340	13,907
Braintree	$28,497	$23,464	-----	$ 99	$19,804	$4,630	-----	-----	-----	-----	$ 31	-----	-----	-----	19,043	196,868	32,546
Brookline	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,742	414,950	292,710	148,532
Cambridge	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,914	90,814	70,219	7,682
Canton	-----	-----	-----	352	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,277	33,469
Chelsea	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,458	24,408
Cohasset	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	$ 6,113	136,833	39,205	7,169	1,923
Dedham	-----	-----	-----	-----	-----	-----	-----	-----	$119,486	$42,807	48	-----	119,188	347,303	119,793	258,376	159,784
Dover	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,301	-----
Everett	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	18,703	-----
Hingham	39,459	29,487	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	76,272	178,370	63,231	14,383	7,207
Hull	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	173,825	37	-----	-----	-----
Lexington	6,176	-----	-----	-----	-----	-----	$36,889	$8,922	-----	-----	-----	-----	-----	-----	312,470	185,149	40,503
Lynn	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	398	229,984	498,658	109,462
Malden	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	38,622
Medford	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	21,059	509
Melrose	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	21	20,433
Milton	-----	-----	-----	108,290	101,557	143	-----	-----	-----	-----	44,338	$10,740	14,988	-----	-----	13,424	204,356
Nahant	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,458
Needham	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10,864	33,150
Newton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	446,707	731,588	160,064	119,787	47,109
Norwood	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	68,021	134,532	47,294	4,044	43,045
Quincy	-----	44,448	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	21,993	33	53,352	360,425
Reading	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,236	-----	-----	7,749	83,598
Revere	-----	-----	-----	3,950	-----	-----	-----	-----	-----	-----	-----	-----	193,754	193,840	1,177,093	1,139,298	319,950
Saugus	109,751	76,394	$1,900	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	15,415	21,178	49,731
Somerville	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	550	61,570
Stoneham	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,476	27,230
Stoughton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	47,588	8,039	21,938
Swampscott	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	21,431	2,694
Wakefield	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,634	-----
Walpole	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,955	2,152
Waltham	-----	30,696	-----	-----	-----	-----	-----	-----	-----	-----	7,474	24,883	5,243	-----	-----	260	251,558
Watertown	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	17,628	16,688
Wellesley	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	130,911	1,180,444	350,731	118,654	80,546
Weston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,534	256,149	66,886	-----	-----	4,778	11,610
Westwood	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	34,878	126,082	44,898	9,518	488
Weymouth	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,668	33	16,779	234,323
Winchester	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,937	27,621
Winthrop	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8,414	-----
Woburn	7,519	8,300	7,931	-----	-----	-----	-----	7	-----	-----	3,245	-----	-----	-----	-----	16,618	111,933
ZONE B - TOTAL	$ 191,402	$ 212,789	$ 9,831	$ 112,691	$ 121,161	$ 4,973	$ 36,889	$ 8,929	$ 119,486	$ 42,807	$ 62,668	$ 295,987	$1,333,761	$3,082,779	$3,729,371	$3,422,845	$2,651,362
TOTAL - (ZONES A & B)	$ 191,402	$ 216,011	$ 64,251	$ 112,712	$ 121,161	$ 4,973	$ 36,889	$ 8,929	$ 119,486	$ 42,807	$ 62,888	$ 295,987	$1,403,592	$3,182,931	$4,388,140	$4,155,612	$3,562,108
ZONE C																	
Abington	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	$71,674	$ 7,656	$ 3,097	-----	-----	$2,549	$74,901
Avon	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,721	45,661	-----	-----	-----	814	21,292
Bedford	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,800	4,163
Beverly	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,247	82,822
Bridgewater	$1,462	-----	-----	$ 26	$20,409	$8,905	-----	-----	-----	-----	287,093	30,895	1,040	-----	-----	2,316	16,923
Brockton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,341	81,108	9,548	-----	-----	4,749	120,972
Burlington	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,961	7,874
Concord	-----	-----	-----	14,223	4,452	-----	-----	-----	-----	-----	-----	-----	-----	-----	$418,654	273,479	21,805
Danvers	57,716	$17,185	$133,285	48,883	-----	-----	-----	-----	-----	$ 87	-----	-----	-----	-----	-----	17,730	8,801
East Bridgewater	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,915	31,709
Easton	-----	-----	142,483	361,363	36,076	-----	-----	-----	-----	-----	-----	-----	-----	-----	97,319	27,278	11,442
Foxborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	12,428	2,439	-----	-----	4,616	11,413
Framingham	-----	-----	-----	-----	-----	-----	-----	-----	$ 26	-----	-----	-----	-----	-----	-----	88,069	177,881
Gloucester	-----	-----	-----	85,434	-----	-----	-----	-----	-----	38,836	6,863	-----	-----	-----	146,388	71,284	65,486
Hanover	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	135,284	-----	-----	-----	-----	7,737	-----
Holbrook	-----	270	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	9,814	-----
Lincoln	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	340,376	138,803	157
Lynnfield	18,199	119,809	14,047	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8,402	29,509
Manchester	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,773	-----
Manfield	-----	-----	-----	-----	-----	-----	-----	-----	-----	52,596	8,746	-----	-----	-----	-----	2,598	90,563
Marblehead	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,992	-----
Maynard	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,907	30
Medfield	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,050	-----
Natick	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	60,736	117,079
Norwell	50,221	24,126	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,651	19,075
Peabody	77,382	114,087	8,289	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	15,017	46,491
Randolph	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,809	81,879	-----	22,888	89,016
Rockland	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	28,079	17,452
Rockport	-----	3,000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,891	-----
Salem	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	35,050	55,537
Scituate	-----	-----	-----	3,295	37,884	-----	-----	-----	-----	-----	-----	-----	-----	136,405	79,148	15,297	3,571
Sharon	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,088	118,279
Sudbury	-----	-----	-----	-----	-----	-----	-----	$ 19	966	-----	-----	-----	-----	-----	-----	5,039	8,309
Wayland	21,442	-----	-----	-----	60,819	10,950	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,988	23,787
West Bridgewater	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,067	92,709
Whitman	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	21,842	28,299
Wilmington	-----	-----	-----	13,488	2,048	-----	-----	28	-----	-----	-----	-----	-----	-----	-----	1,642	5,694
ZONE C - TOTAL	$ 228,361	$ 277,657	$ 316,104	$ 514,692	$ 161,485	$ 17,855	$ -----	$ 47	$ 992	$ 91,518	$ 518,802	$ 176,257	$ 97,821	$ 136,405	$1,104,573	$ 978,174	$1,323,338
ZONE D - TOTAL	$ 276,076	$ 461,819	$ 249,967	$ 206,523	$ 448,817	$ 432,684	$ 118,761	$ 183,082	$ 80,854	$ 229,717	$1,606,154	$3,305,907	$ 887,361	$ 380,440	$ 443,586	$ 996,196	$ 944,557

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 48

STATE EXPENDITURES FROM STATE HIGHWAY FUND FOR STATE HIGHWAY CONSTRUCTION

1920 - 1936

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board.

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	$ 35,500	$ 5,163
Andover	$ 5,097	$ 4,603	-----	-----	-----	$ 36,424	-----	-----	$ 2,719	-----	-----	-----	-----	-----	-----	164,482	76,659
Ashland	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	$ 12,918	20,210	1,820
Attleboro	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	$ 34,086	$ 162,748	$ 2,506	-----	-----	17,539	33,367
Ayer	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,192	66,116
Bellingham	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,893	25,370
Berlin	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,950	389
Billerica	117,847	8,561	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	42,095	32,955
Bolton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,569	-----
Boxborough	600	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,963	467
Carlisle	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,100	-----
Chelmsford	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	63,926	68,641
Oracut	-----	-----	-----	$ 27,319	$ 5,644	-----	-----	-----	15,646	-----	-----	-----	-----	-----	-----	25,291	990
Dunstable	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,650	-----
Duxbury	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	122,315	55,454	$ 724	-----	2,638	25
Essex	-----	-----	-----	-----	102,999	-----	-----	-----	-----	-----	-----	-----	-----	30,600	20,776	6,315	
Franklin	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,993	-----
Georgetown	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,750	-----
Groton	19,528	155,476	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	34,354	158
Groveland	-----	-----	-----	-----	-----	-----	-----	-----	13,111	$ 4,066	-----	-----	-----	-----	-----	2,205	18,078
Halifax	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,700	-----
Hamilton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,907	6,340
Hanson	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,600	-----
Harvard	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	26,590	45
Haverhill	-----	-----	-----	-----	19,024	-----	$ 5,297	-----	-----	-----	-----	-----	-----	-----	-----	69,295	15,402
Holliston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,597	14,786	2,720
Hopedale	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	56,445	22,421	625	-----	19	-----
Hopkinton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,300	3,000
Hudson	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,323	5,963
Ipswich	-----	-----	$ 90,015	13,757	84,969	50,385	-----	-----	-----	-----	-----	-----	-----	-----	-----	11,917	6,074
Kingston	-----	613	-----	-----	-----	-----	-----	-----	-----	-----	-----	31,145	25,924	226	-----	1,929	17,880
Lawrence	-----	-----	-----	-----	14,713	49,518	842	-----	-----	-----	-----	-----	-----	-----	19,334	32,748	77,387
Littleton	89,150	43,860	43,956	-----	-----	18,134	3,241	$ 319	-----	-----	-----	-----	-----	-----	-----	28,520	17,867
Lowell	6	-----	31,180	7,458	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	33,150	28,813	52,099
Marlboro	-----	-----	-----	-----	29,246	6,429	-----	32	313	-----	-----	-----	-----	-----	-----	28,948	29,647
Marshfield	-----	-----	-----	-----	-----	-----	175	181,272	48,865	-----	-----	-----	-----	27	20,948	6,852	-----
Medway	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,250	-----
Mendon	500	35,759	117,326	41,159	484	148	-----	-----	-----	-----	-----	36,945	18,172	451	-----	2,465	395
Merrimac	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8,500	2,641	-----	-----	14,280	21,922
Methuen	-----	-----	-----	-----	67,340	18,878	-----	-----	-----	-----	-----	-----	-----	-----	-----	8,616	10,459
Middleborough	-----	-----	-----	2,260	36,244	6,905	-----	-----	-----	-----	490,554	37,059	85,336	31,937	10,815	5,164	9,523
Middleton	-----	68,884	16,106	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	27,673	2,000
Milford	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	88,267	42,693	1,030	-----	4,591	13,064
Millis	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,100	-----
Newbury	-----	-----	217,094	30,728	-----	-----	-----	-----	-----	8,300	248,153	49,542	-----	-----	-----	6,745	7,927
Norfolk	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,246	-----
North Andover	-----	702	-----	-----	68,154	50,606	1,543	-----	-----	-----	-----	113,274	46,201	5,710	24,813	13,212	3,151
North Attleborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	262,504	170,723	16,766	2,692	-----	3,792	24,340
Northborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	38,315	170,789	4,223	-----	-----	16,890	7,378
North Reading	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,240	732	-----	-----	2,359	23,075
Norton	-----	-----	-----	-----	-----	-----	-----	-----	-----	118,374	22,654	-----	-----	-----	-----	4,599	7,345
Pembroke	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	54,565	92,278	13,947	441	-----	2,780	-----
Plainville	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	248,554	52,753	-----	-----	2,948	7,759
Plympton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,500	-----
Raynham	2,000	-----	-----	3,773	-----	-----	-----	-----	-----	-----	-----	-----	1,251	223,261	114,105	28,682	46,839
Rowley	-----	-----	174,734	30,520	-----	-----	2,400	-----	-----	-----	-----	23,175	8,064	-----	-----	4,093	6,582
Sherborn	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,150	-----
Southborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	119,366	371,022	83,408	-----	-----	5,411	24,274
Stowe	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,160	-----
Taunton	42,750	41,488	159	-----	-----	54,508	12,368	-----	-----	-----	-----	-----	1,250	92,667	66,669	15,246	75,103
Tewksbury	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,054	7,820
Topsfield	-----	1,750	259,283	48,518	-----	-----	-----	-----	-----	87	-----	-----	-----	-----	-----	3,596	-----
Tyngsborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,178	444,437	68,459	-----	95,636	12,656	5,798
Upton	-----	99,907	114	1,031	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,446	389
Wenham	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	576	28,758
Westborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	311,180	859,407	98,084	647	-----	4,548	3,199
Westford	-----	-----	-----	-----	-----	79,911	16,702	1,439	-----	-----	-----	-----	-----	-----	-----	25,748	600
West Newbury	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,576	4,700
Wrentham	-----	216	-----	-----	-----	58,811	74,213	-----	-----	98,890	17,611	190,042	47,066	-----	-----	4,682	-----
ZONE D - TOTAL	$278,078	$461,819	$949,967	$206,523	$446,817	$432,654	$116,781	$183,062	$80,654	$229,717	$1,606,154	$3,305,907	$667,361	$360,440	$443,585	$996,195	$944,557

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

TABLE 6

STATE EXPENDITURES FROM STATE HIGHWAY FUND FOR STATE HIGHWAY MAINTENANCE

1920 - 1936

(Exclusive of Expenditures by Special Acts.)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$ 2,144	$ 1,829	$ 2,584	$ 1,646	$ 5,211	$ 8,686	$ 2,464	$ 3,989	$ 8,336	$ 2,983	$ 2,896	$ 4,170	$ 8,106	$ 3,166	$ 40,821	$171,946	$ 76,896
ZONE B																	
Arlington	$ 599	$ 426	$ 312	$ 1,308	$ 623	$ 1,357	$ 1,439	$ 937	$ 2,252	$ 2,076	$ 4,230	$ 15,496	$ 4,656	$ 14,018	$ 3,289	$ 11,303	$ 7,236
Belmont	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,076	4,255
Braintree	2,197	5,946	3,013	33,156	15,820	8,447	9,369	88,362	11,264	11,763	22,061	9,369	19,117	29,734	17,490	30,709	104,315
Brookline	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,405	16,808	14,739
Cambridge	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,475	2,110	
Canton	4,424	5,157	5,451	8,554	5,748	205,098	58,256	8,471	5,371	6,841	28,809	14,336	9,319	6,319	13,702	60,545	212,178
Chelsea	949	3,286	1,927	2,430	1,872	3,354	1,535	3,903	8,453	96,003	700	851	836	709	637	2,663	1,196
Cohasset	3,661	499	592	1,164	919	83,157	7,061	5,610	1,881	1,154	1,194	3,160	2,281	2,192	2,221	2,292	2,463
Dedham	2,375	2,079	4,249	17,842	2,383	2,047	1,469	4,015	7,363	10,517	137,945	33,542	2,728	24,674	25,677	22,589	39,734
Dover	1,916	1,939	2,005	4,081	1,879	3,212	1,499	706	73,366	17,410	1,157	3,556	1,063	929	2,385	475	1,419
Everett	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hingham	3,658	3,261	3,660	5,804	10,116	7,890	206,649	60,689	4,462	10,529	18,858	39,249	112,630	8,042	10,699	10,618	13,012
Hull	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	744	-----
Lexington	2,702	3,404	4,876	-----	6,454	5,172	31,348	3,821	4,103	6,425	7,091	6,778	17,534	7,614	10,257	34,988	86,925
Lynn	2,847	7,362	2,446	3,789	9,013	6,632	31,146	8,887	7,176	19,751	75,761	13,272	3,752	4,291	11,453	34,025	9,001
Malden	157	45	181	7,635	126	190	147	34	10,382	63	73	80	26	127	91	34	531
Medford	371	770	460	120	879	649	542	52,671	7,983	1,133	1,306	1,668	4,906	690	736	1,767	2,502
Melrose	1,509	547	1,547	649	672	1,701	705	562	13,980	635	980	10,346	373	612	330	638	1,051
Milton	647	1,011	2,034	921	2,963	3,925	4,796	63,691	8,185	9,025	13,466	11,334	11,863	22,110	16,050	29,152	109,107
Nahant	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Needham	1,991	1,574	2,870	3,423	2,399	4,186	1,678	56,264	32,328	6,408	572	364	1,046	12,771	19,354	10,586	44,296
Newton	636	230	330	214	2,166	695	397	861	2,217	7,523	34,764	480	663	7,049	30,076	33,366	21,169
Norwood	3,639	3,635	4,028	72,482	109,306	1,886	2,033	3,201	3,132	2,469	3,184	4,866	5,628	7,918	11,211	34,142	28,762
Quincy	10,966	2,985	1,697	2,122	3,817	2,561	3,882	95,900	4,928	7,526	99,097	14,161	18,794	3,107	4,466	6,663	58,573
Reading	3,258	5,982	2,528	7,772	23,911	4,266	2,858	4,790	13,035	8,332	123,547	193,054	49,979	2,163	5,811	6,422	10,772
Revere	3,982	7,672	6,213	7,949	9,802	27,357	81,803	8,913	18,211	8,615	26,901	16,894	12,371	25,430	55,763	171,427	124,196
Saugus	3,061	4,988	5,120	8,860	8,566	47,534	165,857	11,390	124,625	32,503	22,516	13,158	40,328	18,124	12,831	34,684	22,037
Somerville	606	793	2,606	1,240	2,920	2,167	581	57,926	10,498	1,016	781	984	2,020	482	1,102	1,617	3,079
Stoneham	33,555	3,111	1,656	5,917	2,457	2,777	1,368	2,080	1,296	1,852	101,848	2,808	30,336	3,370	2,728	2,087	9,629
Stoughton	10,741	92,716	23,468	2,517	3,748	81,454	21,103	6,560	4,281	4,717	6,889	9,008	4,062	14,170	116,578	41,337	11,426
Swampscott	587	1,082	944	3,463	1,738	1,954	1,481	2,281	1,949	3,321	3,580	3,108	48,697	4,420	6,561	32,824	4,905
Wakefield	-----	-----	-----	-----	-----	-----	-----	-----	52	36	35	89	50	54	154	205	157
Walpole	6,943	6,415	8,181	194,080	233,971	4,623	2,830	2,731	4,193	3,354	2,789	3,172	10,403	8,929	10,570	9,035	123,398
Waltham	-----	23	1,153	869	520	726	748	973	6,516	891	1,144	1,298	35,863	13,616	4,226	1,919	2,801
Watertown	1,241	41,128	992	850	556	871	698	1,042	24,454	3,626	1,125	1,973	887	1,046	1,734	2,590	4,771
Wellesley	476	654	779	1,557	2,336	741	463	673	863	870	86,683	4,288	1,636	9,109	27,259	22,431	30,493
Weston	1,885	1,476	5,711	3,517	3,450	2,693	4,651	8,264	3,038	3,816	11,013	123,087	30,392	6,684	7,352	16,431	40,744
Westwood	360	2,661	1,095	1,672	63,974	16,324	1,234	765	1,148	9,189	1,761	1,843	3,976	5,243	14,532	14,405	79,962
Weymouth	14,108	10,648	4,653	7,740	9,547	12,356	191,256	137,502	166,990	10,650	118,045	41,491	49,507	22,011	23,734	35,203	34,384
Winchester	3,240	46,813	27,566	1,710	1,489	2,496	2,523	22,025	1,076	1,364	3,937	8,967	3,175	26,753	51,128	19,711	4,231
Winthrop	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Woburn	4,791	69,183	4,337	4,415	4,570	8,866	9,450	16,396	10,499	7,614	7,866	7,926	12,687	-----	44,580	56,535	46,063
ZONE B - TOTAL	$134,898	$340,411	$136,580	$410,182	$560,916	$499,408	$853,049	$712,940	$657,542	$316,436	$971,903	$614,574	$553,198	$322,130	$578,071	$816,391	$1,319,456
TOTAL - ZONES A & B	$137,042	$342,240	$141,174	$412,027	$556,127	$502,034	$855,513	$716,929	$659,880	$381,412	$974,698	$618,744	$561,296	$325,286	$618,892	$987,339	$1,396,554
ZONE C																	
Abington	$ 2,814	$ 4,727	$ 2,343	$ 10,047	$ 43,651	$ 2,515	$ 4,267	$ 4,651	$ 42,486	$ 17,216	$ 2,360	$ 71,309	$ 54,406	$ 3,819	$ 4,175	$ 3,857	$ 20,156
Avon	472	1,417	1,282	967	2,363	3,591	1,980	6,983	2,719	1,776	63,115	60,155	2,345	2,056	1,722	1,796	3,747
Bedford	1,186	1,810	1,895	1,202	2,284	3,364	43,745	539	950	1,989	1,894	7,140	13,466	949	1,045	1,019	80,461
Beverly	4,391	10,368	6,596	6,233	5,232	5,435	7,315	31,127	29,477	7,311	13,203	12,990	55,122	8,761	9,532	2,942	11,584
Bridgewater	4,693	6,807	5,783	6,667	9,873	13,432	37,393	13,301	8,191	4,487	10,569	56,363	8,814	2,107	6,085	2,759	3,607
Brockton	972	2,688	2,916	7,894	8,670	3,796	42,090	102,476	1,655	2,489	4,050	32,917	8,667	6,822	12,252	4,311	9,748
Burlington	4,762	4,566	2,374	155,287	40,715	2,890	4,346	2,232	2,528	2,080	4,531	5,021	7,306	36,858	41,661	18,898	9,559
Concord	1,792	2,479	3,395	2,920	4,241	2,881	4,632	6,538	4,558	4,824	6,625	11,978	9,830	6,812	12,304	52,636	20,559
Danvers	264	334	1,341	3,899	3,037	3,703	4,306	3,854	5,460	119,251	54,571	21,844	9,176	10,160	12,039	53,901	46,047
East Bridgewater	5,314	3,051	2,781	4,803	2,538	3,370	6,278	9,504	63,598	1,098	24,473	104,128	1,467	8,025	1,246	2,133	2,883
Easton	295	225	89	724	7,892	4,527	5,631	6,667	8,201	6,697	7,763	16,127	17,700	22,044	114,191	9,790	13,541
Foxborough	2,118	1,770	1,761	14,070	3,594	2,576	3,386	2,740	3,598	6,021	11,201	13,097	8,320	4,316	6,774	4,036	13,948
Framingham	4,354	5,083	6,765	15,617	8,111	40,232	4,266	4,044	6,370	102,014	3,473	12,673	17,181	25,698	26,343	61,765	58,712
Gloucester	4,670	4,057	5,457	6,976	4,762	3,922	2,862	23,670	5,048	117,136	30,231	12,003	16,505	8,279	19,803	41,307	15,669
Hanover	1,776	5,492	5,476	3,879	6,210	6,027	2,777	2,787	1,993	1,718	123,292	13,454	3,301	2,624	3,906	7,611	4,602
Holbrook	1,485	1,781	2,230	2,333	4,182	15,415	1,742	6,232	56,428	5,644	5,261	4,017	26,150	13,177	9,872	3,740	11,776
Lincoln	1,034	1,669	1,488	1,153	1,728	1,177	2,112	1,228	2,010	1,076	1,936	3,213	5,327	8,119	4,064	23,194	27,719
Lynnfield	-----	99	1,325	1,910	1,897	1,922	2,049	2,109	69,358	34,094	4,966	4,468	15,020	15,284	6,280	8,726	7,434
Manchester	-----	-----	-----	-----	-----	-----	-----	-----	116	239	485	373	192	367	697	903	967
Mansfield	1,570	678	1,074	971	866	1,489	1,563	3,904	34,565	9,189	4,674	6,660	4,107	10,647	6,336	3,538	2,008
Marblehead	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	15
Maynard	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	217
Medfield	-----	-----	-----	-----	-----	-----	-----	-----	68	74	51	75	83	78	161	198	44
Natick	2,145	2,173	1,076	4,392	3,852	4,945	7,179	6,738	3,578	2,303	244,687	5,351	5,837	13,065	19,846	16,661	25,619
Norwell	-----	142	452	2,027	1,341	1,276	989	1,782	1,281	1,528	2,126	2,614	100,477	2,588	1,911	1,166	1,992
Peabody	-----	-----	1,486	2,495	2,700	1,752	2,271	3,189	8,885	129,566	8,340	9,105	10,228	5,266	11,019	13,293	16,397
Randolph	6,631	3,326	4,180	2,236	4,071	4,147	2,367	4,665	8,614	3,903	163,704	45,984	45,328	8,822	6,183	14,051	53,111
Rockland	2,439	5,426	8,366	3,147	3,840	1,406	2,402	906	66,225	3,666	628	1,316	930	1,601	1,890	1,149	9,481
Rockport	1,909	2,152	1,484	2,070	1,075	3,576	776	46,891	2,326	617	5,699	997	1,440	667	1,365	732	1,107
Salem	1,418	3,353	1,977	10,557	2,249	4,137	3,980	6,410	6,346	88,135	7,065	11,963	110,757	8,801	11,355	41,011	8,190
Scituate	1,870	7,165	4,417	3,660	7,041	3,403	3,477	4,667	1,662	2,293	325	6,388	2,876	5,118	118,674	6,641	4,984
Sharon	622	561	322	355	442	489	26,263	212	13	223	6,198	346	784	1,907	1,806	1,730	31,319
Sudbury	2,303	1,816	3,082	4,218	5,838	3,980	3,704	4,405	2,735	6,191	5,121	6,622	25,996	9,363	6,703	21,656	15,431
Wayland	2,318	1,593	3,650	2,019	3,078	2,826	3,099	5,319	2,599	3,536	5,326	4,767	9,806	4,523	11,250	13,616	24,202
West Bridgewater	2,604	2,051	3,838	10,382	1,791	4,266	206,015	29,078	767	1,274	1,438	1,931	1,128	1,818	1,860	3,436	37,468
Whitman	2,786	2,404	1,601	4,578	2,373	26,182	2,656	7,174	76,196	1,802	1,280	2,091	74,331	16,495	2,263	1,344	4,505
Wilmington	55,757	2,051	1,475	5,079	5,003	4,113	3,931	54,323	44,697	4,021	2,616	3,547	9,810	6,650	4,829	10,616	25,542
ZONE C - TOTAL	$126,597	$ 92,904	$ 90,736	$304,864	$201,630	$166,864	$449,933	$412,467	$564,579	$697,438	$642,274	$592,917	$678,015	$279,896	$609,451	$461,320	$561,050
ZONE D - TOTAL	$446,427	$419,420	$452,010	$771,941	$1,268,044	$1,033,614	$1,246,324	$1,467,845	$1,020,663	$1,238,776	$1,466,469	$2,015,016	$1,373,338	$959,374	$566,670	1,410,974	$1,866,868

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

TABLE 5B

STATE EXPENDITURES FROM STATE HIGHWAY FUND FOR STATE HIGHWAY MAINTENANCE

1920 - 1936

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$108,737	$ 13,287	$ 4,470	$ 4,606	$ 4,758	$ 3,970	$ 3,970	$ 5,295	$ 5,402	$ 4,574	$ 6,451	$ 15,966	$ 12,771	$ 10,163	$ 11,233	$ 51,586	$ 32,820
Andover	5,482	23,387	11,179	119,009	42,497	3,080	3,920	4,967	4,942	3,253	9,336	141,769	197,190	11,958	16,830	19,510	36,039
Ashland	1,937	3,321	2,668	2,679	3,259	51,266	1,053	1,122	2,295	2,465	4,265	5,301	3,593	7,730	6,665	31,665	38,629
Attleboro	43,715	4,972	2,552	17,643	65,170	11,266	3,021	177,217	2,436	32,793	65,117	5,080	3,383	4,411	9,592	5,561	4,960
Ayer	1,100	2,579	1,690	2,735	1,167	4,069	10,773	59,597	73,606	13,576	1,672	5,891	5,048	6,166	4,147	3,476	5,249
Bellingham	1,886	3,211	3,416	2,368	3,535	3,477	5,296	34,700	110,300	19,230	5,673	9,617	5,954	4,531	1,526	2,019	3,244
Berlin	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	226
Billerica	2,296	6,295	2,072	5,641	4,741	6,173	12,772	25,003	10,349	7,128	107,380	52,957	89,964	22,522	17,971	14,394	46,991
Bolton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	128	158	285	294	247
Boxborough	2,919	2,964	3,416	2,576	2,122	2,409	2,167	2,498	3,305	3,761	3,709	7,037	2,691	4,645	2,565	5,408	3,658
Carlisle	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10
Chelmsford	17,834	10,612	11,419	10,356	154,638	22,136	69,750	63,369	9,077	3,329	3,396	6,137	35,633	21,055	9,341	26,706	137,069
Dracut	4,450	4,630	3,290	3,405	3,927	4,323	3,348	4,145	4,462	6,329	5,006	9,375	10,867	17,776	14,284	313,052	154,607
Dunstable	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	122
Duxbury	2,269	4,886	3,393	5,136	5,837	5,288	5,306	64,699	26,805	1,603	4,135	40,101	20,026	2,850	3,727	2,940	5,526
Essex	1,268	2,442	1,448	3,774	25,362	10,875	1,035	5,828	2,449	3,171	3,045	6,064	4,829	17,504	9,242	9,207	3,432
Franklin	8,315	4,558	4,105	4,441	4,447	5,439	4,613	55,101	127,258	18,268	5,293	1,732	1,686	1,822	2,736	2,431	2,023
Georgetown	-----	-----	-----	-----	-----	-----	-----	-----	7	-----	-----	-----	-----	-----	-----	-----	112
Groton	461	2,074	2,599	1,990	2,570	1,600	2,535	2,052	2,726	7,020	5,135	58,405	29,733	34,557	4,205	15,340	25,505
Groveland	4,063	1,667	3,140	2,345	4,963	4,596	2,126	1,907	70,699	17,102	2,141	3,351	894	1,194	2,076	2,236	5,822
Halifax	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hamilton	3,376	1,416	1,478	6,559	2,309	2,230	4,388	3,679	2,262	4,467	3,930	11,335	7,283	30,957	11,435	27,017	30,625
Hanson	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Harvard	2,183	2,342	2,572	2,006	2,423	3,644	2,379	2,715	5,657	4,390	2,854	6,470	3,730	16,714	5,582	28,657	31,861
Haverhill	12,941	9,071	113,336	56,652	183,517	4,571	44,615	22,155	6,599	3,552	4,798	74,665	17,949	14,633	6,662	8,568	59,663
Holliston	2,433	3,386	4,462	6,447	4,490	41,074	134,476	28,456	1,661	5,698	3,840	10,003	7,720	7,102	5,154	47,338	23,089
Hopedale	440	705	1,389	444	615	576	129	387	112	22,405	5,169	1,749	1,052	346	2,290	380	13,240
Hopkinton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	36
Hudson	1,150	1,577	1,753	1,557	1,842	1,809	1,632	1,556	1,188	1,647	1,168	1,313	1,944	-----	1,655	16,023	1,743
Ipswich	5,011	8,381	8,884	70,374	3,254	8,666	4,995	5,531	7,559	36,203	63,630	13,658	72,731	58,965	27,728	14,812	47,679
Kingston	706	3,299	4,714	5,739	4,835	3,537	3,618	66,714	14,448	104,641	1,510	1,601	2,389	1,562	2,421	1,560	3,516
Lawrence	1,675	811	1,663	1,209	1,660	1,941	1,699	1,442	1,883	1,474	1,909	2,043	6,899	759	1,268	1,701	6,927
Littleton	32,175	145,696	25,605	3,450	3,029	4,960	45,549	3,907	11,630	7,505	23,363	15,460	9,626	6,780	26,204	61,072	26,454
Lowell	5,310	7,206	6,708	6,551	106,690	9,631	2,081	1,723	2,357	2,526	2,750	4,280	8,130	2,569	3,830	96,751	50,713
Marlborough	5,752	6,434	7,892	9,257	9,517	10,360	9,223	13,912	232,774	33,826	9,256	242,678	78,408	11,910	33,181	52,750	6,410
Marshfield	10,915	7,524	3,724	6,580	6,050	6,232	3,262	6,411	3,949	56,793	3,567	7,657	6,351	3,461	14,198	4,429	2,766
Medway	-----	-----	-----	-----	-----	-----	-----	-----	78	66	90	114	37	62	139	174	73
Mendon	799	1,167	1,152	1,860	2,400	3,112	1,844	3,747	1,330	4,899	5,065	3,960	4,958	4,199	1,637	2,296	2,364
Merrimac	4,679	4,646	41,817	24,361	3,136	3,107	60,401	16,631	1,139	1,545	1,721	42,671	4,909	1,751	4,549	3,663	7,606
Methuen	6,464	5,009	10,834	6,775	12,324	25,317	124,251	3,671	5,141	7,936	6,407	9,516	49,214	7,313	7,933	189,536	75,713
Middleborough	14,756	6,629	10,526	34,971	13,850	108,006	206,220	12,787	9,063	8,435	38,619	18,068	21,624	85,790	14,349	8,991	12,582
Middleton	301	1,464	2,417	5,655	1,005	975	3,868	1,430	2,673	5,721	3,979	6,457	3,746	82,973	12,721	56,916	113,609
Milford	1,931	5,605	4,216	5,942	5,968	5,006	4,484	4,044	1,666	166,063	22,787	2,163	3,656	3,209	3,325	3,942	5,236
Millis	-----	-----	-----	-----	-----	-----	-----	-----	54	61	55	69	32	58	29	123	85
Newbury	5,248	7,975	6,501	9,251	8,889	13,899	13,024	12,704	15,714	11,143	239,764	97,880	30,851	133,457	38,654	14,779	16,446
Norfolk	2,220	1,686	2,153	76,145	9,129	223	468	385	1,119	1,297	1,048	1,306	1,280	876	1,215	1,220	963
North Andover	7,983	12,045	15,162	10,110	12,762	8,537	11,897	133,213	34,242	136,798	37,554	48,058	22,547	31,094	20,632	20,400	147,667
North Attleborough	6,071	2,782	3,900	18,936	161,571	15,061	99,062	27,792	2,445	2,716	131,523	46,138	5,441	6,969	5,899	5,347	5,553
Northborough	2,377	4,163	5,714	6,666	8,935	4,732	4,016	6,562	7,793	9,517	6,543	345,952	177,313	21,937	14,799	14,014	14,173
North Reading	2,563	2,526	1,411	1,876	20,243	1,144	1,141	1,500	2,857	2,089	2,672	208,963	52,264	3,440	3,240	3,048	2,948
Norton	5,214	4,147	5,066	8,086	9,605	14,796	8,620	7,523	28,291	96,917	25,402	12,516	26,896	11,274	10,174	9,334	17,355
Pembroke	1,521	3,679	2,774	4,687	86,368	14,849	3,133	5,932	1,760	1,402	1,611	71,451	25,828	2,140	2,066	1,648	3,247
Plainville	4,988	5,627	5,558	9,096	8,737	106,885	82,370	2,981	2,333	2,110	2,530	2,665	8,915	5,221	6,568	5,658	3,938
Plympton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	22
Reynham	4,529	3,512	3,211	4,046	7,802	126,828	9,211	199,724	4,259	4,887	4,712	4,434	14,260	6,243	23,056	19,636	8,300
Rowley	3,159	4,624	6,045	6,738	6,545	7,561	5,349	5,983	5,877	6,654	164,755	204,587	40,210	8,530	13,082	21,730	9,691
Sherborn	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6
Southborough	2,565	1,548	2,704	3,078	3,870	5,093	3,629	2,721	3,454	62,014	2,874	3,816	24,114	8,805	12,008	11,254	17,790
Stowe	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Taunton	4,700	7,706	5,792	10,231	10,268	156,533	22,174	104,063	74,728	17,634	113,822	34,129	41,082	24,178	28,739	20,004	60,975
Tewksbury	4,433	2,133	4,186	3,241	3,274	2,337	2,160	3,242	3,418	4,256	4,768	5,273	14,543	21,773	10,315	23,924	113,069
Topsfield	-----	10	-----	2,198	3,565	6,561	4,720	5,629	6,533	77,681	202,281	11,520	6,659	7,963	7,768	7,804	11,527
Tyngsborough	7,893	8,956	10,473	7,365	163,807	34,050	3,703	2,224	2,962	3,209	3,447	4,947	18,444	7,398	7,258	24,015	27,107
Upton	3,020	4,247	7,078	9,136	7,294	4,126	2,304	5,196	14,602	146,017	47,004	5,111	4,293	6,952	3,636	2,975	6,868
Wenham	35,148	1,345	3,445	7,354	677	1,108	1,342	2,416	1,422	2,508	3,259	27,494	17,456	6,625	3,487	2,677	2,549
Westborough	3,303	2,088	2,024	3,074	5,894	3,453	3,917	2,293	3,192	2,564	2,760	4,056	21,959	10,723	12,642	14,350	22,026
Westford	8,564	9,921	4,752	5,550	4,946	5,685	118,183	40,635	3,088	2,240	4,789	8,058	5,425	5,079	9,057	46,661	50,513
West Newbury	6,951	3,801	5,182	7,441	8,243	4,215	6,521	4,970	5,230	5,234	7,710	7,941	60,631	96,404	14,472	13,333	23,773
Wrentham	7,856	6,941	10,590	112,563	20,091	110,727	28,289	177,697	25,921	12,169	13,778	15,432	14,063	18,816	13,641	11,995	54,661
ZONE D - TOTAL	$446,427	$419,420	$452,010	$771,941	$1,266,044	$1,033,614	$1,246,324	$1,467,845	$1,020,863	$1,238,776	$1,466,469	$2,015,018	$1,373,338	$959,374	$568,570	$1,410,974	$1,468,668

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

TABLE 6

TOTAL STATE EXPENDITURES FROM STATE HIGHWAY FUND FOR STATE HIGHWAYS

1920 - 1936

(Exclusive of Expenditures by Special Acts.)

(Sum of Tables 4 & 5)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$ 2,144	$ 5,051	$ 67,014	$ 1,856	$ 5,211	$ 2,626	$ 2,484	$ 3,989	$ 2,338	$ 2,983	$ 2,995	$ 4,170	$ 97,737	$ 103,306	$ 692,580	$ 904,715	$ 986,644
ZONE B																	
Arlington	$ 599	$ 426	$ 312	$ 1,306	$ 823	$ 1,367	$ 1,439	$ 937	$ 2,252	$ 2,076	$ 4,236	$ 16,495	$ 4,555	$ 32,053	$ 477,047	$ 163,720	$ 66,040
Belmont	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,004	142,974	73,416	14,162
Braintree	30,694	29,410	3,013	33,256	36,424	13,277	9,369	68,362	11,264	11,763	22,092	9,169	19,117	29,734	36,533	229,576	124,861
Brookline	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,742	414,355	309,516	163,971
Cambridge	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,914	90,914	71,694	9,792
Canton	4,424	6,157	5,451	8,906	6,746	206,098	58,256	8,471	5,371	5,841	20,609	14,335	9,319	13,708	54,822	246,641	75,604
Chelsea	949	3,686	1,927	2,430	1,872	3,354	1,635	3,903	2,453	95,903	700	651	836	709	537	23,119	15,404
Cohasset	3,641	499	592	1,184	919	23,167	7,061	6,610	1,661	1,164	1,194	3,160	8,374	141,026	41,425	9,461	4,386
Dedham	2,375	2,079	4,249	17,842	2,383	2,047	1,469	4,015	126,849	63,124	137,994	33,642	121,914	371,977	145,370	278,974	199,516
Dover	1,916	1,939	2,005	4,081	1,879	3,212	1,499	708	73,366	17,410	1,157	3,558	1,063	989	2,365	1,776	1,419
Everett	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	18,703	-----
Fingham	43,117	32,736	3,560	5,804	10,118	7,890	206,849	50,689	4,462	10,529	18,656	30,949	187,908	186,412	63,930	24,981	20,219
Full	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	173,825	37	-----	744	-----
Lexington	8,878	3,404	4,876	-----	6,454	5,172	66,037	10,543	4,103	6,426	7,091	6,778	17,634	7,814	322,727	220,077	127,428
Lynn	2,847	7,362	2,446	3,729	9,013	6,632	31,148	8,867	7,176	19,761	76,761	13,272	3,769	4,667	241,437	632,681	116,453
Malden	157	45	181	7,835	126	190	147	34	10,369	83	73	80	28	127	91	34	37,353
Medford	371	770	460	120	879	649	542	62,871	7,983	1,133	1,306	1,566	4,905	890	735	22,816	3,011
Melrose	1,509	547	1,547	849	872	1,701	705	562	13,980	636	980	10,346	373	612	330	689	21,484
Milton	847	1,011	2,034	109,211	104,520	4,066	4,798	63,691	8,165	9,026	57,004	22,074	26,549	22,110	18,030	42,576	313,465
Nahant	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,456
Needham	1,991	1,574	2,870	3,423	2,369	4,166	1,676	56,254	32,328	8,406	572	364	1,045	18,771	19,354	21,120	77,446
Newton	436	230	330	214	2,166	695	397	881	2,217	7,623	34,764	480	447,570	738,836	180,140	153,163	68,898
Norwood	3,639	3,535	4,028	72,482	109,306	1,886	2,033	3,201	3,132	2,489	3,184	4,866	71,649	142,450	58,605	38,168	71,827
Quincy	10,966	47,433	1,697	2,122	3,817	2,581	3,682	95,900	4,928	7,528	99,097	14,181	16,794	25,100	4,499	60,016	408,998
Reading	3,258	5,982	2,528	7,772	23,911	4,268	2,858	4,760	13,036	8,332	123,547	197,889	49,979	9,183	5,611	14,171	74,370
Revere	3,682	7,672	6,213	11,899	9,802	27,357	81,803	8,913	18,211	8,616	26,901	16,894	206,125	219,270	1,232,866	1,310,725	444,166
Saugus	112,812	81,382	7,020	8,860	8,666	47,534	165,857	11,300	194,625	32,603	22,518	13,156	40,328	18,124	22,246	55,882	71,768
Somerville	606	793	2,606	1,240	2,920	2,167	681	67,925	10,498	1,016	781	984	2,020	462	1,102	2,167	84,649
Stoneham	33,556	3,111	1,656	5,917	2,457	2,777	1,368	2,080	1,298	1,859	101,648	2,808	30,336	3,370	2,728	7,502	36,659
Stoughton	10,741	92,716	23,468	2,517	3,748	61,454	21,103	5,560	4,281	4,717	6,889	9,008	4,052	14,170	166,168	49,376	33,364
Swampscott	987	1,082	944	3,463	1,738	1,954	1,481	2,281	1,949	3,321	3,580	3,108	48,697	4,420	8,661	54,266	7,599
Wakefield	-----	-----	-----	-----	-----	-----	-----	-----	52	36	35	69	50	54	154	5,839	157
Walpole	5,963	6,415	6,181	184,080	233,971	4,623	2,630	2,731	4,193	3,364	2,789	3,172	10,403	8,929	10,570	14,990	125,550
Waltham	-----	30,719	1,153	869	520	726	748	973	6,516	891	8,618	26,161	40,926	13,816	4,226	2,179	254,357
Watertown	1,241	41,128	992	850	556	871	898	1,042	24,454	3,826	1,125	1,973	887	1,046	1,734	20,218	21,459
Wellesley	476	654	779	1,557	2,338	741	463	573	883	870	66,863	4,288	132,547	1,169,553	377,950	140,986	91,039
Weston	1,885	1,476	5,711	3,517	3,450	2,693	4,651	8,264	3,038	3,618	18,547	379,236	97,287	8,884	7,352	21,209	59,354
Westwood	360	2,681	1,095	1,672	63,974	16,324	1,234	765	1,148	9,189	1,761	1,843	38,854	131,325	59,430	23,921	80,450
Weymouth	14,108	10,648	4,653	7,740	9,547	12,356	191,256	137,502	158,990	10,650	118,045	41,491	49,507	36,679	23,767	51,982	268,709
Winchester	3,240	46,813	27,566	1,710	1,489	2,498	2,523	22,025	1,078	1,364	3,037	8,987	3,176	26,753	51,128	27,648	31,552
Winthrop	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,414	-----
Woburn	12,310	77,463	12,268	4,415	4,570	8,888	9,450	16,405	10,499	7,814	11,111	7,926	12,567	-----	44,560	77,053	159,996
ZONE B - TOTAL	$326,300	$453,200	$148,411	$522,673	$672,077	$504,381	$689,736	$719,869	$777,006	$361,043	$1,034,571	$910,561	$1,886,953	$3,404,909	$4,301,442	$4,238,238	$3,971,016
TOTAL - (ZONES A & B)	$ 328,444	$ 458,251	$ 205,425	$ 524,739	$ 677,288	$ 507,007	$ 892,202	$ 723,858	$ 779,348	$ 364,028	$1,037,566	$ 914,731	$1,984,690	$3,508,217	$5,001,022	$5,142,961	$4,957,662
ZONE C																	
Abington	$2,614	$4,727	$2,343	$10,047	$43,651	$2,615	$4,287	$4,651	$49,486	$17,215	$73,954	$76,865	$57,602	$3,619	$4,175	$6,406	$95,057
Avon	472	1,417	1,282	987	2,363	3,591	1,060	6,993	2,719	1,786	90,836	120,618	2,345	2,058	1,722	2,610	24,539
Bedford	1,185	1,810	1,895	1,202	2,284	3,384	43,745	539	950	1,989	1,894	7,140	13,468	949	1,046	2,819	24,644
Beverly	4,391	10,368	8,588	6,233	6,932	5,435	7,315	31,127	29,477	7,311	13,203	12,990	66,122	8,761	9,532	23,189	74,406
Bridgewater	5,085	8,697	5,783	6,693	30,282	20,337	37,393	13,301	2,191	4,487	297,862	87,048	3,854	2,197	6,066	6,076	20,530
Brockton	972	2,888	2,916	7,894	2,670	3,796	42,090	102,476	1,856	2,489	6,391	114,025	18,153	6,822	12,252	9,060	130,720
Burlington	4,782	4,566	2,374	155,287	40,716	2,890	4,346	2,232	2,528	2,020	4,831	5,021	7,308	36,868	41,661	21,847	17,433
Concord	1,792	2,479	3,396	17,143	6,893	2,881	4,632	6,636	4,556	4,824	6,625	11,976	9,830	5,818	430,958	366,116	48,164
Danvers	57,979	17,499	134,626	50,768	3,037	3,703	4,306	3,864	5,480	139,336	54,571	21,644	9,175	10,160	19,039	71,631	52,848
East Bridgewater	5,314	3,051	2,704	4,603	2,538	3,370	6,278	9,604	63,598	1,096	24,473	104,128	1,467	8,085	1,846	4,048	34,592
Easton	296	228	162,572	352,067	43,967	4,527	5,631	6,667	5,201	6,697	7,763	16,127	17,700	22,044	211,610	37,068	25,183
Foxborough	2,118	1,770	1,761	14,070	3,594	2,676	3,386	2,740	3,698	6,021	11,201	26,526	10,759	4,316	6,774	8,652	25,556
Framingham	4,354	5,083	6,755	15,517	6,111	40,232	4,286	4,044	6,396	102,014	3,473	12,673	17,181	25,698	75,343	149,634	233,593
Gloucester	4,570	4,057	6,457	92,409	4,762	3,982	2,862	23,670	6,048	185,962	37,094	12,003	16,506	8,279	166,169	112,591	81,357
Hanover	1,778	5,492	5,476	3,879	6,210	5,027	2,777	2,787	1,993	1,718	268,556	13,454	3,301	3,824	3,906	15,348	4,802
Holbrook	1,486	1,451	2,230	2,333	4,182	15,416	1,742	8,232	66,428	5,644	5,261	4,017	26,150	13,177	9,672	13,554	11,778
Lincoln	1,034	1,459	1,466	1,153	1,726	1,177	2,112	1,228	2,010	1,076	1,936	3,213	6,327	8,119	344,442	181,997	27,876
Lynnfield	18,199	119,106	15,372	1,915	1,897	1,922	2,049	2,109	69,368	34,094	4,966	4,456	16,020	15,764	6,280	13,127	89,943
Manchester	-----	-----	-----	-----	-----	-----	-----	-----	115	239	466	373	192	367	697	3,676	967
Mansfield	1,570	678	1,074	971	856	1,469	1,583	3,904	34,685	61,784	13,420	6,660	4,107	10,847	6,326	6,134	92,971
Marblehead	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,992	16
Maynard	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,907	247
Medfield	-----	-----	-----	-----	-----	-----	-----	-----	66	74	51	76	23	78	161	2,246	44
Natick	2,145	2,173	1,076	4,392	3,862	4,946	7,179	6,738	3,578	2,303	244,667	6,351	5,637	13,065	10,646	77,299	142,698
Norwell	50,721	24,268	452	2,027	1,341	1,275	989	1,782	1,251	1,628	2,128	2,514	100,477	2,668	1,911	3,737	21,067
Peabody	77,322	114,067	9,774	2,495	2,700	1,762	2,271	3,189	2,886	129,586	8,340	9,105	10,228	6,286	11,019	28,310	62,868
Randolph	6,631	3,326	4,180	2,238	4,071	4,187	2,367	4,585	6,614	3,903	153,704	48,793	127,007	8,822	28,671	103,067	97,602
Rockland	2,439	5,426	5,356	3,147	3,640	1,408	2,402	906	66,228	3,668	828	1,316	930	1,501	1,690	27,268	28,933
Rockport	1,809	5,152	1,484	2,770	1,975	5,578	778	46,891	2,326	617	5,699	997	1,440	587	1,365	2,623	1,109
Salem	1,416	3,353	1,977	10,557	2,249	4,137	3,980	6,410	6,346	66,136	7,065	11,963	110,757	6,801	11,365	76,061	63,787
Scituate	1,870	7,145	4,417	7,155	44,925	3,403	3,477	4,667	1,582	2,293	325	6,386	2,876	141,623	197,822	21,938	8,555
Sharon	622	561	322	355	442	469	26,263	212	13	223	5,196	346	784	1,907	1,806	3,818	146,598
Sudbury	2,303	1,816	3,082	4,216	9,636	3,960	3,704	4,424	3,701	5,191	5,121	6,622	25,998	9,383	8,703	26,697	21,740
Wayland	23,780	1,503	3,650	2,019	63,897	13,776	3,099	5,316	2,509	3,636	5,328	4,767	9,606	4,523	11,250	21,602	47,969
West Bridgewater	2,604	2,051	3,636	10,362	1,791	4,286	205,015	29,976	767	1,274	1,436	1,031	1,126	1,818	1,660	5,502	130,177
Whitman	2,788	2,404	1,601	4,578	2,373	28,182	2,656	7,174	76,196	1,602	1,280	2,091	74,331	16,495	2,253	23,166	30,804
Wilmington	55,767	2,051	1,475	18,567	7,049	4,113	3,931	64,351	44,897	4,021	2,615	3,547	9,010	6,660	4,629	18,266	31,235
ZONE C - TOTAL	$ 362,958	$ 370,561	$ 406,840	$ 810,556	$ 363,015	$ 206,739	$ 449,933	$ 412,504	$ 585,671	$ 788,950	$1,360,876	$ 768,174	$ 776,836	$ 418,301	$1,614,084	$1,437,494	$1,884,386
ZONE D - TOTAL	$ 724,505	$ 681,939	$1,401,977	$ 976,464	$1,716,851	$1,466,268	$1,363,105	$1,650,907	$1,101,537	$1,456,495	$3,076,823	$5,380,923	$2,040,899	$1,319,614	$1,012,155	$2,407,149	$2,211,425

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 58

TOTAL STATE EXPENDITURES FROM STATE HIGHWAY FUND FOR STATE HIGHWAYS

1920 - 1936

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors: Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$108,737	$ 13,287	$ 4,470	$ 4,606	$ 4,758	$ 3,970	$ 3,970	$ 5,296	$ 6,402	$ 4,674	$ 8,451	$ 16,965	$ 12,771	$ 10,183	$ 11,833	$ 87,066	$ 37,983
Andover	11,179	27,970	11,179	119,009	42,497	41,474	3,920	4,967	7,661	3,263	9,336	141,769	197,190	11,996	16,630	203,992	112,698
Ashland	1,937	3,321	2,668	2,679	3,269	61,266	1,053	1,122	2,896	2,485	4,256	6,301	3,593	7,730	19,583	52,075	40,649
Attleboro	43,715	4,972	2,552	17,643	65,170	11,266	3,021	177,217	2,438	32,793	99,202	187,828	5,869	4,411	9,592	23,400	38,327
Ayer	1,100	2,579	1,890	2,735	1,187	4,069	10,773	59,597	73,606	13,676	1,872	6,691	5,048	5,188	4,147	4,668	93,365
Bellingham	1,868	3,211	3,416	2,368	3,535	3,477	5,296	34,700	110,300	19,230	5,873	9,617	5,954	4,631	1,628	4,912	28,814
Berlin	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,950	615
Billerica	180,143	14,856	2,072	5,641	4,741	6,173	12,772	26,003	10,349	7,128	107,380	62,957	69,984	22,522	17,971	56,489	81,946
Bolton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	128	156	286	2,963	247
Boxborough	3,519	2,964	3,416	2,576	2,122	2,409	2,167	2,498	3,305	3,781	3,709	7,037	2,691	4,645	2,565	13,391	4,343
Carlisle	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,100	10
Chelmsford	17,834	10,812	11,419	10,358	154,638	22,136	69,750	63,369	9,077	3,329	3,398	6,137	36,633	21,055	9,341	92,634	205,930
Dracut	4,450	4,630	3,290	30,724	9,571	4,323	3,348	4,145	20,128	6,329	5,006	9,375	10,887	17,778	14,284	338,343	155,797
Dunstable	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,850	122
Duxbury	2,269	4,888	3,393	5,136	5,837	5,288	5,306	64,699	26,805	1,803	4,135	162,416	76,480	3,574	3,727	6,778	5,561
Essex	1,268	2,442	1,448	3,774	128,361	10,875	1,035	5,828	2,449	3,171	3,045	6,064	4,829	17,504	39,842	29,985	11,747
Franklin	2,315	4,558	4,195	4,441	4,447	5,439	4,613	55,101	127,258	18,268	8,293	1,732	1,686	1,622	2,736	5,424	2,023
Georgetown	-----	-----	-----	-----	-----	-----	-----	-----	7	-----	-----	-----	-----	-----	-----	1,750	112
Groton	19,989	157,550	2,599	1,990	2,570	1,800	2,535	2,052	2,726	7,020	5,136	58,405	29,733	34,557	4,205	49,694	25,663
Groveland	4,053	1,667	3,140	2,345	4,963	4,596	2,126	1,907	83,800	21,168	2,141	3,351	894	1,194	2,076	4,441	23,900
Halifax	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,700	-----
Hamilton	3,376	1,416	1,478	6,559	2,309	2,230	4,388	3,679	2,282	4,467	3,930	11,336	7,283	30,957	11,436	40,924	37,165
Hanson	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,800	-----
Harvard	2,183	2,342	2,572	2,006	2,423	3,644	2,379	2,715	5,657	4,390	2,854	6,470	3,730	16,714	5,582	55,247	31,846
Haverhill	12,941	9,071	113,336	56,652	202,541	4,871	49,912	22,155	6,589	3,552	4,798	74,665	17,949	14,633	6,662	77,863	75,066
Holliston	2,433	3,386	4,462	6,447	4,490	41,074	134,476	28,456	1,661	5,698	3,840	10,003	7,720	7,102	20,761	62,124	32,809
Hopedale	440	706	1,389	444	615	576	129	387	112	22,405	5,189	58,194	23,473	971	2,290	399	13,240
Hopkinton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,300	3,038
Hudson	1,150	1,577	1,753	1,557	1,842	1,809	1,632	1,556	1,188	1,647	1,168	1,313	1,944	-----	1,655	21,346	7,706
Ipswich	5,011	8,381	98,899	84,091	88,223	59,061	4,995	5,631	7,559	35,203	63,630	13,658	72,731	58,965	27,726	26,729	53,953
Kingston	706	3,912	4,714	5,739	4,835	3,537	3,618	68,714	14,448	104,641	1,510	32,746	28,313	1,790	2,421	3,489	31,396
Lawrence	1,875	811	1,663	1,209	16,373	51,459	2,541	1,442	1,883	1,474	1,909	2,043	6,899	769	20,602	34,449	86,314
Littleton	191,395	189,556	69,561	3,450	3,029	23,094	48,790	4,226	11,930	7,505	23,363	15,460	9,628	8,780	26,204	89,592	44,321
Lowell	5,316	7,206	37,888	14,009	106,890	9,631	2,081	1,723	2,357	2,526	2,750	4,280	8,130	2,569	36,980	125,564	102,812
Marlboro	5,758	6,434	7,892	9,257	38,763	16,789	9,223	13,944	233,087	33,826	9,256	242,676	78,408	11,910	33,181	81,698	36,057
Marshfield	10,915	7,824	3,724	8,580	6,050	6,232	3,437	189,683	52,804	56,793	3,687	7,657	6,351	3,488	35,144	11,281	2,766
Medway	-----	-----	-----	-----	-----	-----	-----	-----	78	88	90	114	37	62	139	2,424	73
Mendon	1,299	36,926	118,478	43,019	2,884	3,260	1,844	3,747	1,330	4,899	5,065	42,905	23,130	4,650	1,837	4,761	2,779
Merrimac	4,879	4,646	61,617	24,361	3,136	3,107	80,401	16,631	1,139	1,548	1,721	51,171	7,550	1,751	4,649	18,143	29,630
Methuen	8,484	5,009	10,634	6,775	99,664	44,195	124,251	3,671	5,141	7,936	6,407	9,916	49,214	7,313	7,933	178,154	86,172
Middleborough	14,756	8,629	10,526	37,231	50,094	114,911	206,220	12,787	9,063	8,435	529,363	55,127	76,960	117,727	25,164	14,155	22,085
Middleton	301	70,368	18,523	5,655	1,005	976	3,868	1,430	2,873	5,721	3,979	6,467	3,748	82,973	12,721	84,589	116,609
Milford	1,931	5,805	4,216	5,942	5,968	5,006	4,484	4,044	1,666	168,063	22,787	90,430	46,349	4,239	3,325	8,533	16,300
Millis	-----	-----	-----	-----	-----	-----	-----	-----	54	81	65	69	32	68	29	2,223	85
Newbury	5,248	7,975	225,595	39,979	8,889	13,899	13,024	12,704	15,714	19,443	467,917	147,422	30,851	133,457	38,664	21,524	24,373
Norfolk	2,220	1,688	2,153	76,145	9,129	223	468	385	1,119	1,297	1,048	1,306	1,280	876	1,215	3,468	983
North Andover	7,983	12,747	15,162	10,110	80,916	99,143	13,440	133,213	34,242	136,798	37,564	161,332	68,746	38,804	45,445	33,612	160,618
North Attleborough	6,071	2,782	3,900	16,936	161,571	15,061	99,082	27,792	2,445	2,718	394,027	216,858	22,207	9,661	5,899	9,139	29,693
Northborough	2,377	4,163	5,714	6,686	8,935	4,732	4,018	6,842	7,793	9,617	46,868	516,741	161,836	21,937	14,699	30,904	21,581
North Reading	2,543	2,526	1,411	1,876	20,243	1,144	1,141	1,800	2,857	2,089	2,672	216,203	53,026	3,440	3,240	5,407	26,021
Norton	5,214	4,147	5,066	6,086	9,505	14,798	6,820	7,523	28,291	217,291	48,056	12,516	26,898	11,274	10,174	13,933	24,700
Pembroke	1,521	3,879	2,774	4,887	88,368	14,849	3,133	6,932	1,760	1,402	58,178	183,729	39,785	2,801	2,066	4,428	3,247
Pleasantville	4,988	5,627	5,558	9,096	8,737	106,885	82,370	2,981	2,333	2,110	2,630	251,419	61,668	5,221	6,585	8,636	11,697
Plympton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,509	22
Raynham	8,529	3,512	3,211	7,819	7,802	126,828	9,211	199,724	4,259	4,667	4,713	4,434	15,611	231,524	137,161	48,620	55,139
Rowley	3,159	4,824	180,779	37,258	8,645	7,561	7,749	8,983	5,877	8,664	164,755	227,742	48,274	8,530	18,062	25,823	16,273
Sherborn	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,150	6
Southborough	2,566	1,548	2,704	3,078	3,870	6,093	3,829	2,721	3,464	62,014	122,282	374,838	107,622	8,605	12,008	18,885	42,064
Stowe	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,160	-----
Taunton	47,450	49,194	5,951	10,231	10,268	211,036	34,542	104,063	74,728	17,834	113,822	34,129	42,332	116,843	95,408	35,250	136,076
Tewksbury	4,433	2,133	4,166	3,241	3,274	2,337	2,160	3,242	3,416	4,258	4,766	6,273	14,543	21,773	10,315	27,988	120,689
Topsfield	-----	1,760	259,263	60,714	3,665	6,581	4,720	5,629	6,533	77,766	202,281	11,640	8,659	7,963	7,788	11,400	11,527
Tyngsborough	7,893	8,956	10,473	7,365	163,607	34,050	3,793	2,224	2,962	3,209	10,622	449,384	66,913	7,398	102,894	56,671	32,905
Upton	3,020	104,154	7,192	10,167	7,294	4,186	2,304	5,198	14,602	146,017	47,004	6,111	4,293	6,952	3,636	8,421	9,257
Wenham	35,148	1,345	3,445	7,354	877	1,106	1,348	2,416	1,422	2,606	3,259	27,494	17,456	8,826	3,487	3,255	31,307
Westborough	3,303	2,086	2,024	3,074	5,894	3,453	3,917	2,293	3,192	2,864	313,930	663,463	120,043	11,370	12,642	18,898	25,225
Westford	6,564	9,921	4,752	5,850	4,948	88,697	134,885	42,074	3,088	2,240	4,789	8,058	5,425	5,079	9,067	72,449	51,113
West Newbury	8,951	3,801	5,182	7,441	8,243	4,215	6,521	4,970	5,230	6,234	7,710	7,941	60,831	98,404	14,472	16,909	28,473
Wrentham	7,856	9,157	10,590	112,563	20,091	169,539	102,602	177,697	26,921	111,069	31,389	205,474	61,129	16,816	13,641	16,877	64,881
ZONE D - TOTAL	$724,505	$881,239	$1,401,977	$978,464	$1,716,861	$1,466,268	$1,363,108	$1,650,907	$1,101,637	$1,468,496	$3,072,823	$5,320,923	$2,040,899	$1,319,814	$1,012,155	$2,407,169	$2,611,425

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cone.Met.Dist.(37 Municip.)
Zone C - Balance of 30 Mile Radius Dist.(59 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 7

CHAPTER 90 - STATE EXPENDITURES FROM STATE HIGHWAY FUND

FOR TOWN AND COUNTY ROAD CONSTRUCTION

1920 - 1936

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ZONE B																	
Arlington	-----	-----	-----	$9,372	$11,112	$14,573	$11,634	-----	-----	-----	$9,156	$14,721	$17,190	$26,083	$24,607	$14,371	$ 5,080
Belmont	-----	-----	-----	-----	-----	-----	28,667	$1,176	$17,368	-----	-----	-----	17,059	11,313	16,828	2,777	18,236
Braintree	-----	-----	$1,912	-----	-----	-----	-----	11,737	3,463	-----	-----	-----	-----	-----	-----	-----	-----
Brookline	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Cambridge	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Canton	$15,580	$17,811	2,949	6,483	10,602	8,326	6,575	30,495	19,912	$21,221	10,646	13,182	2,799	-----	-----	610	1,219
Chelsea	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Cohasset	-----	-----	-----	-----	-----	-----	2,928	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dedham	-----	-----	-----	3,939	-----	10,654	6,205	1,529	41,074	23,307	-----	1,030	-----	-----	13,210	-----	6,491
Dover	-----	-----	-----	-----	-----	4,597	886	2,124	-----	-----	5,404	10,628	-----	-----	-----	6,134	-----
Everett	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hingham	-----	-----	-----	-----	-----	-----	2,926	-----	1,849	11,232	30,460	22,136	4,578	-----	-----	-----	-----
Hull	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Lexington	5,000	2,657	10,900	-----	-----	-----	6,852	12,936	16,369	17,176	27,416	10,551	2,526	6,853	3,078	25,150	28,457
Lynn	-----	-----	-----	5,622	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,470	20,294
Malden	-----	-----	-----	-----	-----	-----	-----	873	6,809	953	-----	16,646	15,362	11,974	7,822	-----	57,118
Medford	-----	-----	-----	-----	-----	-----	-----	13,285	10,301	926	-----	-----	-----	-----	18,799	48,458	12,631
Melrose	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	11,214	3,056	1,330	6,073	22,440	5,197
Milton	-----	-----	-----	-----	-----	-----	-----	10,809	12,010	1,097	-----	14,337	-----	-----	-----	-----	-----
Nahant	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,648	-----	-----	-----
Needham	-----	-----	-----	-----	-----	11,196	5,664	8,743	12,062	6,420	7,404	17,695	2,468	6,117	901	-----	-----
Newton	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,567	751	-----	37,879	-----	-----	31,049	39,038
Norwood	3,805	-----	5,000	-----	-----	-----	23,406	-----	10,000	-----	-----	6,897	1,312	-----	271	49,859	27,133
Quincy	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Reading	1,045	-----	-----	-----	3,747	-----	-----	-----	-----	-----	3,870	4,876	7,402	11,425	21,936	792	6,095
Revere	-----	-----	27	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Saugus	8,009	153	-----	7,784	8,513	711	2,528	13,256	4,180	2,957	-----	11,770	6,660	-----	-----	-----	8,341
Somerville	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Stoneham	1,400	1,700	-----	-----	-----	-----	-----	-----	-----	21,854	29,392	13,160	5,889	12,617	23,039	20,586	5,017
Stoughton	-----	-----	-----	9	16,092	17,144	16,989	4,967	-----	-----	6,463	6,277	-----	-----	-----	492	427
Swampscott	-----	5,000	13,148	-----	-----	12,720	3,814	-----	-----	-----	3,587	-----	-----	-----	-----	6,819	1,346
Wakefield	2,953	1,502	852	13,681	6,657	10,371	6,309	-----	3,620	6,447	990	452	302	11,959	13,171	12,598	-----
Walpole	1,498	4,000	3,000	-----	5,024	10,308	4,170	11,192	-----	-----	-----	-----	779	8,913	11,032	10,774	14,704
Waltham	-----	-----	6,151	-----	-----	-----	26,171	-----	14,921	3,708	6,621	1,618	-----	613	-----	22,806	31,451
Watertown	-----	-----	-----	-----	-----	-----	-----	-----	10,166	21,260	13,930	1,022	10,522	10,319	1,886	-----	10,751
Wellesley	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,587	751	-----	-----	-----	-----	-----	-----
Weston	-----	-----	-----	9,567	6,811	6,381	16,969	11,199	13,221	13,941	22,773	2,438	-----	-----	-----	-----	-----
Westwood	4,233	450	-----	12,260	8,132	9,583	13,039	-----	14,466	3,600	13,565	14,261	4,238	-----	-----	-----	1,744
Weymouth	3,572	1,028	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,675	4,211	11,602	16,413
Winchester	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,508	3,865	-----	-----	30,547	35,200	38,889	34,055
Winthrop	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Woburn	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,627	7,779	8,264	-----	6,621	15,304	30,178	
ZONE B - TOTAL	$ 47,475	$ 34,901	$ 43,959	$ 68,757	$ 75,690	$116,568	$166,509	$134,121	$210,611	$201,386	$204,533	$203,376	$140,018	$166,586	$214,682	$345,178	$379,416
ZONE C																	
Abington	-----	-----	$6,600	-----	-----	-----	$ 3,576	-----	-----	-----	-----	-----	-----	-----	$ 10,610	$ 12,293	$ 6,097
Avon	-----	-----	-----	-----	-----	$3,299	3,472	-----	$3,731	$6,080	$6,711	$6,261	$1,674	-----	12,024	9,296	1,179
Bedford	$ 733	$5,878	6,061	-----	$4,465	7,146	14,517	$1,294	566	2,456	4,344	5,933	4,167	$1,479	10,221	11,184	807
Beverly	-----	-----	-----	-----	-----	-----	-----	9,573	6,654	12,122	10,057	-----	-----	-----	-----	3,875	203
Bridgewater	2,996	5,000	1,330	$2,154	-----	-----	-----	-----	-----	-----	3,724	7,381	5,085	5,631	11,969	20,699	3,318
Brockton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,526	16,913	19,955	22,113
Burlington	-----	800	4,494	5,494	3,728	4,988	4,447	4,703	8,749	12,934	14,149	9,605	6,772	11,336	12,205	6,853	-----
Concord	3,857	-----	-----	-----	-----	5,598	4,096	-----	-----	13,172	21,250	16,497	2,291	14,029	15,919	13,740	19,915
Danvers	8,155	11,050	2,354	13,568	8,039	10,996	-----	9,965	12,112	5,094	5,610	2,767	1,131	-----	7,623	2,197	15
East Bridgewater	9,616	3,464	2,417	-----	5,986	26,041	9,876	7,650	19,740	26,264	-----	35,630	-----	-----	10,922	11,256	1,065
Easton	-----	3,000	4,761	-----	10,801	10,563	7,022	5,164	-----	2,192	3,950	16,265	-----	5,915	8,656	5,699	5,396
Foxborough	-----	-----	4,941	5,164	9,548	3,413	142	-----	-----	11,245	13,147	16,556	-----	10,361	5,766	3,474	2,808
Framingham	4,983	8,247	6,545	16,158	6,966	-----	10,061	9,284	6,236	6,632	21,411	15,469	12,867	21,460	34,929	27,606	44,765
Gloucester	-----	-----	-----	-----	-----	-----	-----	-----	17,646	-----	-----	-----	-----	6,161	3,006	8,674	-----
Hanover	-----	3,500	1,500	-----	-----	-----	-----	-----	-----	-----	1 430	269	-----	8,652	11,206	4,079	-----
Holbrook	7,997	6,231	6,469	4,407	6,105	5,514	7,012	586	-----	12,656	11,449	8,348	1,439	-----	-----	-----	1,064
Lincoln	10,178	5,545	5,663	6,621	8,374	6,397	6,777	8,468	-----	1,228	1,241	8,867	2,209	2,249	4,900	4,048	1,016
Lynnfield	7,722	6,673	2,663	-----	-----	-----	-----	-----	5,245	16,662	10,328	10,616	1,947	-----	-----	6,909	4,592
Manchester	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	11,527	14,695
Mansfield	-----	7,032	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,115	-----	-----	-----	2,371	5,096
Marblehead	-----	10,014	357	-----	5,720	-----	-----	-----	-----	-----	10,337	7,495	2,110	12,662	9,256	8,565	6,366
Maynard	1,475	2,956	4,515	6,736	6,771	15,656	9,367	-----	12,204	7,496	-----	-----	-----	-----	4,381	14,855	1,950
Medfield	-----	1,600	-----	1,077	3,906	10,894	7,561	13,133	11,256	11,618	10,706	-----	-----	1,232	-----	963	-----
Natick	-----	1,833	2,167	4,309	11,110	11,017	17,556	11,647	-----	4,269	16,113	4,671	8,287	4,922	8,956	22,243	1,827
Norwell	-----	4,282	718	5,366	2,010	1,816	17,565	621	-----	-----	-----	-----	-----	-----	-----	-----	-----
Peabody	-----	-----	-----	-----	-----	-----	-----	-----	5,276	10,039	-----	-----	-----	-----	15,662	18,440	
Randolph	13,221	2,742	666	-----	14,551	5,260	1,836	2,374	14,479	11,147	-----	3,124	3,364	-----	-----	646	1,047
Rockland	-----	-----	7,000	-----	11,166	6,395	7,908	-----	-----	-----	-----	16,368	11,114	11,716	17,783	10,715	6,456
Rockport	-----	-----	-----	16,335	34,264	8,036	12,248	16,745	3,619	-----	21,650	6,024	-----	-----	-----	2,891	-----
Salem	-----	-----	-----	-----	-----	-----	-----	12,816	5,317	18,417	3,702	-----	-----	-----	-----	-----	-----
Scituate	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	11,686	-----	-----	-----	14,266	343	-----
Sharon	1,958	5,070	3,409	6,890	4,967	6,195	7,295	5,860	4,963	8,160	-----	13,764	3,420	-----	694	963	1,016
Sudbury	3,002	2,925	2,700	7,756	6,755	5,596	6,496	6,468	5,000	5,710	4,965	3,657	3,766	3,496	4,810	2,313	-----
Wayland	3,980	3,300	5,663	3,232	4,466	13,854	3,530	2,352	18,390	6,603	4,161	14,974	20,968	11,670	13,992	10,804	1,935
West Bridgewater	675	5,269	5,000	-----	13,199	4,053	11,210	3,573	1,016	-----	11,020	4,317	-----	7,328	4,810	4,976	5,638
Whitman	-----	-----	-----	2,042	-----	4,368	3,611	-----	-----	-----	-----	-----	-----	-----	-----	11,366	663
Wilmington	-----	2,000	500	2,632	2,572	2,790	2,918	2,940	8,360	16,163	10,550	8,069	4,959	4,947	4,809	3,932	2,032
ZONE C - TOTAL	$ 79,848	$107,783	$ 91,053	$111,980	$185,493	$183,882	$161,781	$139,358	$169,010	$235,449	$233,920	$252,394	$ 97,620	$157,563	$260,528	$299,426	$163,556
ZONE D - TOTAL	$161,430	$228,171	$169,133	$177,461	$214,919	$208,200	$362,064	$426,619	$412,702	$570,076	$716,974	$900,851	$317,613	$366,613	$473,814	$497,627	$222,831

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

TABLE 78

CHAPTER 90 - STATE EXPENDITURES FROM STATE HIGHWAY FUND

FOR TOWN AND COUNTY ROAD CONSTRUCTION

1920 - 1936

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of City or Town	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$ 5,202	$ 9,686	$ 10,938	$ 6,463	$ 11,166	$ 4,590	$ 4,681	$ 16,337	$ 7,052	$ 2,789	$ 10,298	$ 9,143	$ 7,955	$ 7,085	$ 6,914	$ 5,653	$ 2,032
Andover	34,399	17,620	-----	6,079	556	9,239	-----	-----	10,832	51,660	104,344	249,902	-----	-----	6,492	6,249	17,917
Ashland	2,058	10,095	2,011	1,165	2,233	560	12,797	298	1,250	4,906	3,227	5,679	7,247	2,464	3,647	7,691	1,270
Attleboro	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10,087	5,209	-----	-----	-----
Ayer	12,073	1,702	5,777	10,772	1,116	-----	-----	8,941	2,764	-----	12,741	10,039	5,051	6,647	10,596	6,414	8,466
Bellingham	1,000	2,997	-----	3,232	13,957	15,856	9,481	16,658	17,603	12,477	9,441	4,362	3,346	2,903	3,516	2,606	-----
Berlin	1,500	1,497	-----	7,029	4,690	5,570	7,607	5,690	6,444	12,803	11,736	6,815	7,454	11,035	9,832	12,072	5,010
Billerica	-----	33,736	-----	7,541	5,359	49,725	49,626	10,131	11,934	8,435	8,068	11,532	9,749	22,368	29,596	14,039	-----
Bolton	1,561	-----	1,000	539	1,116	1,051	3,756	11,826	10,143	31,765	6,616	4,834	9,202	17,809	19,480	9,531	-----
Boxborough	-----	500	700	539	1,340	1,904	1,229	1,765	2,346	3,560	2,792	3,193	3,441	2,773	4,026	3,180	-----
Carlisle	-----	500	500	-----	558	1,120	2,112	5,762	10,395	13,748	5,940	10,639	1,894	5,175	4,930	5,551	406
Chelmsford	-----	11,999	16,657	14,897	13,395	-----	14,022	8,193	5,375	7,980	11,144	8,531	6,695	7,294	17,692	9,569	3,047
Dracut	3,600	3,146	2,000	4,264	4,020	8,531	4,087	17,672	7,482	4,824	3,724	-----	-----	6,777	9,016	3,470	-----
Dunstable	1,500	1,750	1,750	1,885	1,954	1,959	2,048	2,058	2,188	4,605	4,665	4,571	4,734	4,280	6,643	4,178	1,524
Duxbury	-----	10,225	-----	-----	5,582	5,598	5,851	17,641	10,015	12,651	-----	-----	-----	-----	-----	-----	-----
Essex	1,300	1,000	9,600	2,693	2,783	2,799	2,926	2,940	3,125	49,570	12,871	-----	-----	-----	-----	2,313	1,016
Franklin	3,992	4,000	4,000	5,386	4,466	6,717	7,022	7,056	8,750	1,650	15,715	7,958	13,419	6,957	14,371	14,570	6,115
Georgetown	3,207	-----	5,000	2,154	2,233	2,238	2,340	2,352	14,717	33,402	19,076	32,357	6,518	1,848	3,607	8,365	763
Groton	-----	-----	-----	-----	3,350	2,239	5,851	5,880	7,455	8,850	19,670	12,790	6,194	12,520	5,605	9,339	-----
Groveland	2,230	668	-----	-----	5,136	22,865	468	21,882	20,721	-----	-----	6,095	-----	-----	-----	-----	2,030
Halifax	60	3,600	-----	-----	-----	3,477	616	-----	21,619	-----	38,603	19,289	10,852	-----	7,847	13,016	4,470
Hamilton	-----	-----	-----	-----	-----	4,484	13,165	5,818	7,071	1,187	12,196	14,628	118	-----	-----	7,636	8,372
Hanson	3,793	2,457	4,000	1,163	4,354	2,443	6,886	11,350	13,991	10,051	9,946	14,104	12,121	-----	-----	-----	-----
Harvard	3,778	741	9,000	4,379	6,279	7,402	4,747	15,005	5,606	-----	33,451	13,781	-----	3,695	608	3,578	1,466
Haverhill	-----	-----	-----	-----	-----	-----	-----	-----	4,405	9,644	15,350	3,884	-----	32,886	3,981	5,381	30,007
Holliston	2,149	1,351	4,000	3,020	2,792	3,023	-----	-----	-----	5,964	4,930	21,869	4,346	1,869	15,274	4,424	914
Hopedale	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hopkinton	3,000	3,000	4,000	4,647	4,466	4,479	7,022	4,704	4,959	7,368	7,447	7,314	7,675	7,208	14,128	2,053	2,032
Hudson	511	5,469	3,300	-----	5,583	-----	-----	-----	-----	18,038	15,027	4,588	4,475	40,353	39,246	19,364	15,315
Ipswich	3,665	5,728	-----	1,053	-----	3,955	7,155	5,854	-----	-----	-----	7,276	-----	1,848	1,804	5,859	-----
Kingston	9,982	32,330	-----	5,383	5,583	6,995	7,017	12,937	6,059	17,437	-----	7,267	-----	-----	4,780	9,665	7,535
Lawrence	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,699	3,724	-----	-----	-----	-----	67,944	16,692
Littleton	1,288	2,389	2,955	2,154	3,127	3,358	2,926	3,763	6,098	5,649	5,956	4,665	5,050	6,422	34,764	5,592	-----
Lowell	-----	-----	-----	-----	-----	-----	-----	-----	15,414	11,114	6,206	15,057	4,660	641	40,446	38,722	5,221
Marlboro	-----	-----	-----	-----	-----	-----	-----	21,842	4,307	13,857	15,524	15,299	-----	4,436	4,966	493	12,601
Marshfield	-----	7,000	-----	-----	-----	-----	-----	-----	-----	-----	15,243	8,279	-----	5,725	2,405	5,665	3,744
Medway	502	3,458	3,000	3,232	4,131	6,158	4,704	16,835	23,166	24,309	14,024	23,136	5,616	904	1,523	983	-----
Mendon	-----	-----	490	539	1,117	1,120	5,617	7,482	3,622	2,572	5,766	4,168	3,063	8,024	11,064	6,122	2,322
Merrimac	-----	-----	-----	5,187	3,222	5,945	-----	-----	-----	-----	10,414	4,429	-----	4,313	-----	13,277	3,956
Methuen	-----	-----	6,693	10,623	-----	11,196	-----	11,760	10,575	6,803	9,930	21,943	6,734	6,433	-----	1,157	10,162
Middleborough	-----	-----	-----	5,210	12,124	6,604	11,459	10,113	1,875	-----	7,913	12,954	10,072	2,879	-----	-----	-----
Middleton	10,117	-----	19,832	181	-----	-----	-----	-----	2,500	3,684	5,586	3,048	-----	1,232	1,202	8,171	4,145
Milford	-----	-----	7,947	10,186	11,415	826	-----	-----	-----	9,402	2,114	11,940	18,686	7,465	10,146	18,692	9,941
Millis	1,000	5,072	3,052	5,176	1,878	14,597	16,674	20,551	21,749	12,665	13,281	14,690	5,365	1,804	1,202	3,440	-----
Newbury	4,152	3,174	-----	-----	2,233	2,239	4,324	3,880	2,900	6,182	6,688	2,994	8,493	-----	1,604	5,650	6,939
Norfolk	1,410	2,593	1,869	3,232	3,461	6,080	9,884	6,081	9,966	4,283	9,596	12,231	2,509	3,368	1,604	983	663
North Andover	2,136	-----	-----	-----	-----	2,991	-----	-----	-----	-----	11,151	35,220	-----	-----	-----	6,361	5,277
North Attleborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Northborough	-----	-----	1,900	6,663	12,276	5,087	-----	-----	-----	-----	-----	3,375	4,160	352	-----	678	-----
North Reading	1,200	900	1,132	1,670	1,340	1,340	3,491	5,880	3,125	6,048	6,206	8,095	8,313	8,009	7,816	8,130	-----
Norton	-----	-----	-----	-----	-----	-----	-----	-----	3,750	3,684	19,661	6,323	3,788	-----	-----	492	257
Pembroke	11,923	4,748	8,320	4,524	5,481	5,598	7,022	10,349	22,957	36,874	11,069	13,268	3,157	4,929	-----	3,651	431
Plainville	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	8,074	7,787	1,482	-----	-----	-----
Plympton	2,948	3,552	4,960	-----	5,248	1,615	16,384	22,168	18,074	4,297	4,344	-----	5,600	-----	1,203	925	-----
Reynham	1,500	-----	1,900	5,386	-----	----	19,655	-----	1,250	-----	-----	-----	-----	-----	601	576	508
Rowley	5,296	2,982	-----	-----	558	1,120	1,170	1,176	1,875	1,842	19,151	12,178	6,589	616	2,405	-----	-----
Sherborn	-----	1,500	-----	1,077	2,233	2,239	1,171	4,466	2,500	14,736	17,603	15,511	20,507	26,643	19,564	24,171	-----
Southborough	-----	-----	-----	-----	-----	4,593	22,196	13,382	6,720	3,882	-----	2,661	379	1,679	8,267	621	425
Stow	1,733	6,767	1,350	-----	-----	-----	18,725	1,764	3,125	3,070	1,861	1,829	1,894	1,479	2,405	1,475	-----
Taunton	-----	-----	-----	-----	-----	-----	-----	17,641	-----	2,373	6,980	-----	-----	-----	-----	-----	-----
Tewksbury	1,203	-----	-----	539	4,466	-----	-----	-----	1,250	2,456	12,889	9,753	4,356	7,794	15,161	15,151	-----
Tolsfield	4,937	3,197	-----	-----	3,350	-----	-----	-----	-----	-----	15,449	36,216	7,022	-----	-----	5,965	8,959
Tyngsborough	792	500	500	1,616	2,792	4,479	2,823	2,352	4,146	6,754	4,344	9,746	7,576	13,550	10,225	8,851	2,540
Upton	-----	-----	-----	-----	-----	-----	2,341	-----	-----	6,757	162	5,649	4,983	14,044	12,025	295	494
Wenham	-----	-----	-----	431	-----	-----	5,266	9,027	-----	-----	2,985	18,162	4,631	-----	-----	-----	-----
Westborough	331	7,214	3,500	8,945	10,585	10,115	13,204	-----	-----	13,443	26,589	23,233	3,360	986	2,405	1,712	-----
Westford	-----	2,647	4,515	1,185	4,455	4,478	4,652	5,274	9,114	16,269	19,101	16,306	13,110	14,416	18,094	8,823	610
West Newbury	-----	1,500	-----	-----	2,233	5,598	5,852	5,880	4,101	3,338	2,923	7,581	18	1,109	5,291	10,920	2,020
Wrentham	1,452	99	10,785	3,200	3,131	-----	-----	-----	-----	-----	2,333	1,829	2,516	7,866	12,729	9,941	997
ZONE D - TOTAL	$161,430	$225,171	$169,133	$177,461	$214,919	$288,200	$362,054	$426,619	$412,702	$570,076	$715,974	$900,651	$317,613	$365,613	$473,814	$497,677	$222,631

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SUPVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 8

CHAPTER 81 - STATE EXPENDITURES FROM STATE HIGHWAY FUND

FOR SMALL TOWN AND COUNTY ROAD MAINTENANCE

1920 - 1936

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ZONE B	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ZONE C																	
Abington	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Avon	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bedford	-----	-----	-----	-----	-----	-----	-----	-----	-----	$3,953	$3,821	-----	$3,826	$3,609	$5,004	$6,409	$5,838
Beverly	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bridgewater	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Brockton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Burlington	-----	-----	-----	-----	-----	$3,042	$3,052	$3,464	$3,874	3,514	3,493	$3,580	3,717	3,700	4,267	6,680	5,675
Concord	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Danvers	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
East Bridgewater	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Easton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Foxborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Framingham	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Gloucester	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hanover	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Holbrook	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Lincoln	-----	-----	-----	$3,325	$3,467	3,408	3,504	5,140	4,549	4,392	4,367	4,340	4,373	4,353	5,142	706	-----
Lynnfield	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Manchester	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Mansfield	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Marblehead	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Maynard	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Medfield	-----	-----	-----	3,563	3,382	-----	4,247	4,469	4,332	4,392	4,367	4,340	4,373	4,353	6,479	3,898	2,417
Natick	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Norwell	-----	-----	-----	4,275	4,089	3,854	4,571	4,727	6,030	4,174	5,197	5,792	5,323	4,945	6,343	7,563	4,959
Peabody	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Randolph	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Rockland	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Rockport	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Salem	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Scituate	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sharon	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Sudbury	-----	-----	-----	-----	-----	-----	-----	6,369	6,823	8,490	7,860	6,726	6,996	6,955	4,425	16,293	10,376
Wayland	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
West Bridgewater	-----	-----	-----	-----	3,307	3,104	4,066	4,265	4,081	4,483	4,170	4,159	194	-----	-----	-----	-----
Whitman	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Wilmington	-----	$2,407	$3,343	3,563	3,776	3,127	4,592	5,140	4,873	-----	-----	-----	-----	-----	-----	-----	-----
ZONE C - TOTAL	$ -----	$ 2,407	$ 3,343	$ 14,726	$ 17,991	$ 16,535	$ 24,032	$ 33,574	$ 34,262	$ 30,398	$ 33,275	$ 26,936	$ 28,802	$ 28,125	$ 31,660	$ 41,549	$ 38,267
ZONE D - TOTAL	$ 41,487	$ 37,640	$ 61,872	$ 114,788	$ 131,253	$ 123,496	$ 158,943	$ 155,355	$ 163,811	$ 162,564	$ 165,421	$ 171,313	$ 218,870	$ 225,867	$ 252,813	$ 315,897	$ 303,705

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 8B

CHAPTER 81 - STATE EXPENDITURES FROM STATE HIGHWAY FUND

FOR SMALL TOWN AND COUNTY ROAD MAINTENANCE

1920 - 1936

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$ 2,825	-----	$ 3,316	$ 6,098	$ 4,622	$ 4,366	$ 6,238	$ 6,704	$ 6,498	$ 6,369	$ 6,332	$ 6,292	$ 6,340	$ 6,313	$ 5,267	$ 13,469	$ 9,567
Andover	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Ashland	-----	-----	500	4,320	3,185	3,324	1,502	6,827	4,332	4,172	4,148	4,123	4,154	4,135	5,109	7,114	6,162
Attleboro	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Ayer	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bellingham	1,950	$ 2,050	3,092	3,652	3,467	3,549	4,459	4,693	4,549	4,612	4,585	4,657	4,700	4,449	7,253	2,471	11,810
Berlin	1,849	1,122	2,035	3,903	4,524	2,947	3,309	4,540	4,863	3,681	5,390	4,231	4,263	3,844	5,593	6,406	6,717
Billerica	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Bolton	2,682	1,976	3,713	4,477	4,853	4,479	5,627	5,922	5,740	5,820	5,786	5,750	5,772	5,555	8,003	7,124	10,494
Boxborough	1,050	1,817	1,272	1,319	2,480	1,887	2,239	3,146	2,708	1,592	3,439	2,495	2,514	2,503	2,687	4,726	3,789
Carlisle	3,000	2,984	2,977	5,147	3,608	3,690	4,565	4,805	4,873	4,721	4,694	4,665	4,591	4,571	3,477	10,102	6,811
Chelmsford	2,517	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dracut	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,639	6,901	12,925	10,053
Dunstable	1,750	1,156	2,212	1,701	4,643	2,197	3,238	5,363	4,440	3,953	3,930	4,014	4,045	4,027	4,004	7,875	6,000
Duxbury	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Essex	-----	-----	-----	-----	-----	-----	-----	-----	-----	2,240	2,325	-----	4,591	-----	3,396	1,160	-----
Franklin	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Georgetown	-----	-----	-----	2,851	-----	5,747	3,610	3,799	3,682	3,733	3,712	-----	-----	7,474	3,809	3,916	7,367	5,475
Groton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,552	7,616	9,745	1,684	-----
Groveland	-----	-----	-----	2,672	2,210	2,862	3,185	3,352	3,249	3,294	3,166	2,604	3,717	3,265	4,741	4,826	4,924
Halifax	-----	1,600	1,600	2,850	2,657	2,753	3,398	3,576	3,466	3,594	3,147	3,993	3,313	4,003	4,109	6,066	6,093
Hamilton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hanson	-----	-----	-----	3,028	2,875	-----	2,676	4,500	3,999	4,168	3,677	3,732	3,778	4,256	6,039	6,804	5,468
Harvard	2,475	3,000	2,800	4,987	4,736	4,732	5,946	6,257	6,065	6,149	6,223	6,075	6,122	6,095	6,850	9,126	9,060
Haverhill	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Holliston	-----	965	3,635	4,246	4,199	4,141	5,388	5,363	5,632	5,490	5,458	5,425	5,466	5,441	4,635	11,513	8,108
Hopedale	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hopkinton	1,850	2,847	1,807	5,756	6,511	5,577	4,618	9,833	7,364	7,247	7,205	7,160	5,532	6,659	6,427	14,861	10,702
Hudson	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	19,828	-----	-----	-----
Ipswich	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Kingston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Lawrence	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Littleton	1,400	-----	2,100	3,029	3,748	3,437	4,937	4,358	4,657	4,612	4,585	4,557	4,591	4,571	5,110	8,418	6,810
Lowell	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Marlborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Marshfield	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Medway	2,000	2,000	3,675	3,830	3,636	3,718	4,672	4,916	4,765	4,387	3,734	6,064	4,810	4,788	6,953	2,929	11,679
Mendon	2,000	2,073	2,241	2,678	3,976	2,755	3,968	4,146	3,899	3,507	4,372	3,906	3,935	3,836	5,768	5,845	5,701
Merrimac	-----	-----	-----	3,117	-----	6,070	3,185	3,352	3,249	3,404	3,384	3,255	3,498	3,374	4,899	5,051	5,027
Methuen	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Middleborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Middleton	1,880	-----	-----	1,900	560	4,718	2,973	3,240	3,141	3,294	3,275	2,893	3,644	3,265	4,741	4,725	4,953
Milford	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Millis	-----	-----	-----	-----	-----	-----	4,035	4,246	4,115	4,173	4,258	4,231	4,263	4,246	6,164	2,644	10,990
Newbury	-----	-----	-----	-----	-----	-----	3,822	4,022	3,899	3,867	3,995	-----	7,980	4,027	5,847	5,670	5,904
Norfolk	-----	-----	3,375	3,652	3,467	3,465	4,353	4,582	4,440	4,392	4,367	4,340	4,482	4,462	6,479	3,661	9,652
North Andover	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
North Attleborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Northborough	-----	-----	1,627	4,459	4,981	3,972	4,990	5,251	5,090	5,161	5,131	5,099	5,138	5,007	7,135	7,821	6,954
Nortb Reading	-----	-----	-----	1,069	4,284	113	-----	2,905	3,249	3,184	3,166	3,363	3,389	3,374	3,478	6,643	5,513
Norton	5,350	-----	3,370	5,249	4,819	4,817	6,052	6,369	6,173	6,259	6,004	5,967	6,122	6,203	9,008	9,288	9,243
Pembroke	-----	-----	-----	-----	8,395	2,969	5,956	5,003	5,076	5,418	5,148	4,825	5,018	4,750	7,937	7,795	7,182
Plainville	-----	-----	-----	-----	2,790	2,873	3,610	3,799	3,682	3,733	3,712	3,689	3,389	3,462	5,057	2,921	7,471
Plympton	1,700	1,673	-----	2,019	5,729	2,554	3,155	3,102	3,522	3,258	3,275	3,275	3,216	3,271	4,716	4,791	5,052
Raynham	522	2,878	4,298	1,453	6,062	3,718	-----	4,916	4,765	4,941	4,913	4,882	4,919	4,897	7,111	7,332	7,297
Rowley	-----	-----	-----	3,207	2,537	2,535	3,185	3,352	3,249	3,404	3,384	2,448	4,311	3,374	4,899	4,334	5,630
Sherborn	2,475	2,384	3,616	4,276	3,869	3,662	4,512	4,469	4,765	4,612	4,694	4,665	4,701	4,680	4,108	9,776	6,973
Southborough	-----	-----	-----	-----	-----	-----	4,609	5,876	5,196	5,271	5,240	6,207	4,442	4,767	7,338	7,727	7,434
Stowe	2,212	2,066	3,535	3,859	3,918	3,803	4,857	4,805	5,090	4,941	4,913	4,882	4,919	4,897	5,320	8,852	6,973
Taunton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Tewksbury	-----	-----	-----	-----	-----	-----	4,672	6,927	6,173	6,039	6,113	6,075	6,121	6,054	3,951	14,338	9,405
Topsfield	-----	-----	-----	-----	-----	-----	4,035	4,246	4,115	4,173	4,148	3,295	4,987	4,136	4,166	1,896	-----
Tyngsborough	-----	1,700	1,388	3,340	2,873	3,408	3,796	5,140	4,657	3,843	5,131	4,340	4,372	4,353	5,741	7,115	6,486
Upton	-----	2,449	3,038	5,042	5,495	5,239	4,769	8,379	6,393	6,702	6,529	4,355	8,763	5,383	7,399	12,512	10,084
Wenham	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Westborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,919	6,498	6,203	7,540	1,513	-----
Westford	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	9,292	9,251	6,953	20,529	13,783
West Newbury	-----	1,500	450	5,612	1,804	4,447	3,928	4,134	4,007	4,063	4,039	-----	8,089	4,027	5,847	5,912	6,116
Wrentham	-----	-----	-----	-----	3,720	3,972	4,884	5,140	4,982	5,051	4,694	4,665	-----	-----	-----	-----	-----
ZONE D - TOTAL	$41,487	$37,640	$61,672	$114,796	$131,253	$123,496	$158,943	$195,355	$183,611	$182,664	$186,421	$171,313	$218,670	$225,867	$252,613	$315,897	$303,705

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(43 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 9

TOTAL CHAPTER 90-81 STATE EXPENDITURES FROM STATE HIGHWAY FUND

FOR TOWN AND COUNTY ROADS

1920 - 1936

(Sum of Tables V & 8)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ZONE B																	
Arlington	-----	-----	-----	$9,372	$11,112	$14,573	$11,634	-----	-----	-----	$9,156	$14,721	$17,190	$26,083	$24,607	$14,371	$ 5,080
Belmont	-----	-----	-----	-----	-----	-----	26,667	$ 1,176	$17,366	-----	-----	-----	17,059	11,313	16,628	2,777	16,236
Braintree	-----	-----	1,912	-----	-----	-----	-----	11,737	3,463	-----	-----	-----	-----	-----	-----	-----	-----
Brookline	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Cambridge	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Canton	$15,590	$17,611	$2,949	6,463	10,602	8,325	8,575	30,495	19,912	$21,221	10,646	13,162	2,799	-----	-----	610	1,219
Chelsea	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Cohasset	-----	-----	-----	-----	-----	-----	2,926	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Dedham	-----	-----	-----	3,939	-----	10,654	8,205	1,829	41,074	23,307	-----	1,030	-----	-----	13,210	-----	6,491
Dover	-----	-----	-----	-----	-----	4,597	685	2,124	-----	-----	5,404	10,628	-----	-----	-----	5,134	-----
Everett	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hingham	-----	-----	-----	-----	-----	-----	2,926	-----	1,849	11,232	30,450	22,135	4,576	-----	-----	-----	-----
Hull	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Lexington	5,000	2,857	10,900	-----	-----	-----	6,852	12,936	15,369	17,176	27,416	10,551	2,525	5,853	3,076	25,150	26,457
Lynn	-----	-----	-----	5,622	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,470	20,294
Malden	-----	-----	-----	-----	-----	-----	-----	873	6,809	953	-----	16,648	15,362	11,974	7,622	-----	57,118
Medford	-----	-----	-----	-----	-----	-----	-----	13,866	10,301	926	-----	-----	-----	-----	16,799	46,466	12,631
Melrose	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	11,214	3,058	1,330	8,073	22,440	5,197
Milton	-----	-----	-----	-----	-----	-----	-----	10,609	12,010	1,097	-----	14,337	-----	-----	-----	-----	-----
Nahant	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,848	-----	-----	-----
Needham	-----	-----	-----	-----	-----	11,196	5,664	8,743	12,062	5,420	7,404	17,695	2,488	6,117	901	-----	-----
Newton	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,567	751	-----	37,679	-----	-----	31,049	39,038
Norwood	3,805	-----	5,000	-----	-----	-----	23,408	-----	10,000	-----	-----	6,897	1,312	-----	271	49,869	27,133
Quincy	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Reading	1,045	-----	-----	-----	3,747	-----	-----	-----	-----	-----	3,670	4,876	7,402	11,426	21,936	792	6,095
Revere	-----	-----	27	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Saugus	8,009	153	-----	7,784	8,813	711	2,528	13,856	4,180	2,967	-----	11,770	6,860	-----	-----	-----	6,341
Somerville	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Stoneham	1,400	1,700	-----	-----	-----	-----	-----	-----	-----	21,854	29,392	13,160	6,869	12,617	23,039	20,658	5,017
Stoughton	-----	-----	13,168	9	16,092	17,144	16,969	4,967	-----	-----	6,463	6,277	-----	-----	-----	492	427
Swampscott	-----	5,000	852	-----	-----	12,720	3,614	-----	-----	-----	3,587	-----	-----	-----	-----	6,819	1,346
Wakefield	2,993	1,902	3,000	13,681	5,857	10,371	6,309	-----	3,620	6,447	990	452	302	11,989	13,171	12,596	-----
Walpole	1,428	4,000	6,151	-----	5,024	10,306	4,170	11,192	-----	-----	-----	-----	779	6,913	11,032	10,774	14,704
Waltham	-----	-----	-----	-----	-----	-----	26,171	-----	14,921	3,708	6,621	1,616	-----	613	-----	22,806	31,451
Watertown	-----	-----	-----	-----	-----	-----	-----	-----	10,166	21,280	13,930	1,022	10,522	10,319	1,886	-----	10,751
Wellesley	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,587	761	-----	-----	-----	-----	-----	-----
Weston	-----	-----	-----	9,587	6,811	6,381	16,969	11,199	13,221	13,941	28,773	2,436	-----	-----	-----	-----	-----
Westwood	4,233	450	-----	12,280	8,132	9,583	13,039	-----	14,466	3,600	13,585	14,261	4,238	-----	-----	-----	1,744
Weymouth	3,972	1,026	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,675	4,211	11,602	16,413
Winchester	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,508	3,665	-----	-----	30,547	36,200	38,689	34,055
Winthrop	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Woburn	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,627	7,779	8,264	-----	-----	8,621	16,304	30,176
ZONE B - TOTAL	$ 47,475	$ 34,901	$ 43,959	$ 68,787	$ 75,690	$116,563	$186,509	$134,121	$210,811	$201,386	$204,533	$203,376	$140,016	$166,588	$214,682	$345,178	$379,416
ZONE C																	
Abington	-----	-----	$6,600	-----	-----	-----	$ 3,576	-----	-----	-----	-----	-----	-----	-----	$ 10,610	$ 12,293	$ 6,097
Avon	-----	-----	-----	-----	-----	$ 3,299	3,472	-----	$3,731	$8,090	$6,711	$8,261	$1,674	-----	12,024	9,296	1,179
Bedford	$ 733	$ 5,876	6,081	-----	$4,465	7,148	14,617	$1,294	566	6,409	8,166	5,933	7,993	$5,288	15,225	17,593	6,646
Beverly	-----	-----	-----	-----	-----	-----	-----	9,573	6,854	12,122	10,057	-----	-----	-----	-----	3,676	203
Bridgewater	2,996	5,000	1,330	$2,184	-----	-----	-----	-----	-----	-----	3,724	7,381	6,086	5,531	11,969	20,699	3,316
Brockton	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	13,526	16,913	19,955	22,113
Burlington	-----	800	4,694	8,494	3,728	6,030	7,499	6,167	12,323	16,448	17,642	13,065	12,469	15,035	16,472	13,533	5,875
Concord	3,857	-----	-----	-----	-----	6,696	4,098	-----	-----	13,172	21,250	16,497	2,291	14,829	15,919	13,740	19,915
Danvers	8,155	11,050	2,384	13,568	8,039	10,998	-----	9,985	12,112	6,094	5,610	2,767	1,131	-----	7,623	2,197	15
East Bridgewater	9,616	3,464	2,417	-----	5,988	26,041	9,676	7,650	19,740	26,244	-----	35,630	-----	-----	10,922	11,268	1,065
Easton	-----	3,000	4,761	-----	10,801	10,563	7,022	5,164	-----	2,192	3,990	18,286	-----	5,916	8,668	5,899	5,398
Foxborough	-----	-----	4,941	5,184	9,648	3,413	142	-----	-----	11,245	13,147	16,558	-----	10,351	6,758	3,474	2,606
Framingham	4,263	8,947	6,945	16,158	6,966	-----	10,051	9,264	8,236	5,632	21,411	15,469	12,867	21,460	34,929	27,606	44,765
Gloucester	-----	-----	-----	-----	-----	-----	-----	-----	17,646	-----	-----	-----	-----	6,161	3,006	6,674	-----
Hanover	-----	3,500	1,600	-----	-----	-----	-----	-----	-----	-----	1,430	289	-----	8,652	11,208	4,079	-----
Holbrook	7,997	8,231	6,469	4,407	8,105	5,514	7,012	588	-----	19,658	11,449	6,346	1,439	-----	-----	-----	1,084
Lincoln	10,176	5,645	6,683	9,946	11,841	11,606	12,281	13,606	4,549	5,820	6,606	11,227	6,582	8,602	10,062	4,754	1,016
Lynnfield	7,722	8,673	2,963	-----	-----	-----	-----	-----	5,246	18,662	10,326	10,616	1,947	-----	-----	6,909	4,592
Manchester	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	11,527	14,695
Mansfield	-----	7,032	-----	-----	-----	-----	-----	-----	-----	-----	-----	8,115	-----	-----	-----	2,371	5,098
Marblehead	-----	10,014	357	-----	5,720	-----	-----	-----	-----	-----	10,337	7,495	2,110	12,582	9,258	8,565	6,366
Maynard	1,475	2,956	4,515	6,735	6,771	15,658	9,367	-----	12,804	7,496	-----	-----	-----	-----	4,361	16,655	1,950
Medfield	-----	1,500	-----	4,840	7,290	10,694	11,606	17,602	15,596	14,006	16,073	4,340	4,373	8,585	6,479	4,861	9,417
Natick	-----	1,833	2,167	4,309	11,110	11,017	17,555	11,667	-----	4,289	16,113	4,671	6,287	4,922	6,956	22,243	1,537
Norwell	-----	4,282	716	9,681	6,069	6,869	22,126	6,248	6,030	4,174	5,197	6,792	5,323	4,945	6,343	7,563	6,659
Peabody	-----	-----	-----	-----	-----	-----	-----	-----	5,276	10,039	-----	-----	-----	-----	-----	16,662	16,440
Randolph	13,221	2,782	886	-----	14,551	5,260	1,636	2,374	14,479	11,147	-----	3,124	3,354	-----	-----	648	1,047
Rockland	-----	-----	7,000	-----	11,166	8,395	7,908	-----	-----	-----	-----	15,356	11,114	11,716	17,763	10,715	8,456
Rockport	-----	-----	-----	18,335	34,264	6,036	12,248	16,745	3,619	-----	21,650	6,024	-----	-----	-----	2,891	-----
Salem	-----	-----	-----	-----	-----	-----	-----	12,616	5,317	18,417	3,702	-----	-----	-----	-----	-----	-----
Scituate	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	11,865	-----	-----	14,256	343	-----	-----
Sharon	1,958	6,070	3,402	6,890	4,967	6,196	7,295	5,660	4,963	6,160	-----	13,754	3,420	-----	594	983	1,016
Sudbury	3,002	2,225	2,700	7,756	6,756	5,598	6,495	14,837	11,823	11,200	12,825	10,363	10,784	10,581	9,236	16,606	10,376
Wayland	3,960	3,300	5,663	3,232	4,466	13,654	3,530	2,352	16,390	6,603	4,151	14,974	20,966	11,670	13,992	10,804	1,935
West Bridgewater	575	5,259	5,000	-----	16,506	7,167	15,276	7,636	5,096	4,463	15,190	8,476	194	7,326	4,610	4,976	5,638
Whitman	-----	-----	-----	2,042	-----	4,356	3,511	-----	-----	-----	-----	-----	-----	-----	-----	11,366	863
Wilmington	-----	4,407	4,243	6,195	6,348	5,917	7,510	6,060	11,253	16,163	10,560	8,069	4,999	4,947	4,609	3,932	2,032
ZONE C - TOTAL	$ 79,646	$110,130	$ 94,396	$126,706	$203,484	$200,417	$206,613	$172,932	$203,272	$265,847	$267,195	$ 281,330	$186,428	$185,668	$292,208	$340,977	$221,823
ZONE D - TOTAL	$202,917	$262,811	$231,006	$292,259	$346,178	$409,696	$520,997	$421,974	$596,613	$762,640	$901,396	$1,072,164	$536,483	$691,460	$726,627	$813,574	$526,536

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 98

TOTAL CHAPTER 90-61 STATE EXPENDITURES FROM STATE HIGHWAY FUND

FOR TOWN & COUNTY ROADS

1920 - 1936

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist. (69 Municip.)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$ 8,027	$ 9,666	$ 14,254	$ 12,561	$ 15,786	$ 8,956	$ 10,919	$ 23,041	$ 13,550	$ 9,158	$ 16,630	$ 15,435	$ 14,296	$ 13,396	$ 12,161	$ 19,122	$ 11,599
Andover	34,399	17,619	-----	8,079	558	9,239	-----	-----	10,832	51,660	104,344	249,902	------	-----	6,492	6,249	17,917
Ashland	2,056	10,095	2,511	5,505	5,418	3,884	14,299	7,125	6,582	9,078	7,375	9,602	11,401	6,599	8,958	14,605	7,432
Attleboro	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	10,087	5,209	-----	-----	-----	-----
Ayer	12,073	1,702	5,777	10,772	1,116	-----	-----	8,941	2,764	-----	12,741	10,039	5,051	6,647	10,596	6,414	8,466
Bellingham	2,550	5,047	3,092	6,884	17,424	19,405	13,940	23,351	22,152	17,089	14,026	8,939	8,046	7,352	10,771	5,077	11,610
Berlin	3,349	2,619	2,035	10,932	9,214	6,517	10,916	10,230	11,307	16,484	17,126	11,046	11,717	14,879	15,425	16,476	11,727
Billerica	-----	33,736	-----	7,541	5,359	49,725	49,626	10,131	11,934	8,435	6,068	11,532	9,749	22,369	29,596	14,039	-----
Bolton	4,243	1,977	4,713	5,016	5,969	5,530	9,383	17,746	15,863	37,585	12,402	10,584	14,974	23,364	27,483	16,656	10,494
Boxborough	1,050	1,717	1,972	1,858	3,820	3,791	3,468	4,911	5,056	5,152	6,231	5,688	5,956	5,276	6,715	7,906	3,729
Carlisle	3,000	3,464	3,477	5,147	4,166	4,610	6,677	10,567	15,268	18,469	10,634	15,304	6,465	9,746	8,407	15,653	7,217
Chelmsford	9,517	11,999	16,457	14,897	13,395	-----	14,022	8,193	5,375	7,960	11,144	6,531	6,695	7,294	17,692	9,589	3,047
Dracut	3,600	3,148	2,000	4,264	4,020	6,531	4,087	17,672	7,482	4,824	3,724	-----	-----	13,416	15,919	16,396	10,053
Dunstable	3,250	2,906	3,662	3,586	6,597	4,156	5,266	7,421	6,628	8,556	8,585	6,585	8,779	8,307	10,647	12,053	7,524
Duxbury	-----	10,825	-----	-----	5,582	5,598	5,651	17,641	10,015	12,651	-----	-----	-----	-----	-----	-----	-----
Essex	1,300	1,000	9,800	2,693	2,783	2,799	2,925	2,940	3,125	52,210	15,196	-----	4,591	-----	3,396	3,473	1,016
Franklin	3,992	4,000	4,000	5,386	4,466	6,717	7,022	7,056	8,750	1,550	15,715	7,958	13,419	8,957	14,371	14,570	6,115
Georgetown	3,207	-----	5,000	5,005	2,233	7,985	5,950	6,151	18,399	37,135	22,767	32,357	13,952	5,657	7,523	15,752	6,436
Groton	-----	-----	-----	-----	3,350	2,239	5,851	5,660	7,455	8,850	19,670	12,790	15,846	20,136	15,550	11,023	-----
Groveland	2,230	668	-----	2,672	7,346	25,727	3,653	25,234	23,970	3,294	3,166	6,699	3,717	3,265	4,741	4,628	6,954
Halifax	60	5,200	1,600	2,650	2,657	6,230	4,016	3,576	25,285	3,594	41,750	23,262	14,165	4,003	11,954	19,064	10,563
Hamilton	-----	-----	-----	-----	-----	4,464	13,165	5,818	7,071	1,187	12,126	14,628	116	-----	-----	7,636	8,372
Hanson	3,793	2,457	4,000	4,191	7,229	2,443	9,562	15,650	17,990	14,239	13,623	17,636	15,696	4,256	5,039	6,804	5,466
Harvard	6,253	3,741	11,800	9,366	11,015	12,134	10,693	21,262	11,671	6,149	39,714	19,856	6,122	9,790	9,656	12,703	10,566
Haverhill	-----	-----	-----	-----	-----	-----	-----	-----	4,405	9,644	15,350	3,684	-----	32,886	3,981	5,361	30,007
Holliston	2,149	2,316	7,835	7,266	6,991	7,164	5,386	5,363	5,632	11,454	10,386	27,294	9,812	7,310	19,909	15,937	9,022
Homedale	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Hopkinton	4,850	5,647	5,607	10,603	10,977	10,056	11,640	14,537	12,363	14,615	14,652	14,474	13,107	16,067	20,555	16,934	12,734
Hudson	511	5,469	3,300	-----	5,583	-----	-----	-----	-----	16,036	15,027	4,566	4,475	60,181	39,246	19,364	15,315
Ipswich	3,685	5,726	-----	1,053	-----	3,955	7,155	5,654	-----	-----	-----	7,276	------	1,848	1,604	5,699	-----
Kingston	9,962	32,330	-----	5,383	5,583	6,995	7,017	12,937	8,059	17,437	-----	7,267	-----	-----	4,760	9,665	7,535
Lawrence	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,699	3,724	-----	-----	-----	-----	87,944	18,692
Littleton	2,666	2,369	5,055	5,183	6,675	6,795	7,863	8,121	10,755	10,261	10,543	9,422	9,641	9,992	39,694	14,010	6,810
Lowell	-----	-----	-----	-----	-----	-----	-----	-----	15,414	11,114	6,206	15,057	4,660	641	40,446	36,722	5,221
Marlborough	-----	-----	-----	-----	-----	-----	-----	21,642	4,307	13,857	15,524	15,299	-----	4,436	4,986	493	12,601
Marshfield	-----	7,000	-----	-----	-----	-----	-----	-----	-----	-----	15,243	8,279	-----	5,725	2,405	5,665	3,744
Medway	2,502	5,498	6,675	7,062	7,767	9,876	9,376	23,751	27,931	28,696	17,758	29,202	10,428	5,692	8,476	3,918	11,679
Mendon	2,000	2,073	2,731	3,217	5,093	3,875	9,585	11,628	7,621	6,079	10,167	6,094	7,016	11,880	16,832	11,967	8,023
Merrimac	-----	-----	-----	8,304	3,222	11,015	3,165	3,352	3,849	3,404	13,798	7,684	3,498	7,687	4,699	18,326	8,963
Methuen	-----	-----	6,493	10,623	-----	11,196	-----	11,760	10,575	6,803	9,930	21,943	6,734	6,433	-----	1,157	10,162
Middleboro	-----	-----	-----	5,210	12,184	6,604	11,459	10,113	1,675	-----	7,913	12,954	10,072	2,679	-----	-----	-----
Middleton	11,997	-----	19,832	2,081	560	4,718	2,973	3,240	5,641	6,976	6,661	5,941	3,644	4,497	5,943	12,896	9,096
Milford	-----	-----	7,947	10,166	11,415	828	-----	-----	-----	9,402	2,114	11,940	16,666	7,465	10,146	16,892	9,941
Millis	1,000	5,072	3,052	5,176	1,878	14,597	20,709	24,797	25,864	16,938	17,539	19,121	9,826	6,049	7,366	6,084	10,990
Newbury	4,152	3,174	-----	-----	2,233	2,239	8,146	7,903	6,799	10,069	10,683	2,994	16,473	4,027	7,651	11,320	14,643
Norfolk	1,410	2,593	5,244	6,884	6,928	9,545	14,237	12,662	14,406	8,675	13,963	16,571	6,991	7,830	8,283	4,644	10,515
North Andover	2,134	-----	-----	-----	-----	2,991	-----	------	-----	-----	11,151	36,220	-----	-----	-----	6,361	5,277
North Attleborough	-----	-----	-----	-----	-----	-----	-----	------	-----	-----	-----	-----	-----	-----	-----	-----	-----
Northborough	-----	-----	3,527	11,122	17,251	9,059	4,990	5,251	5,090	5,161	5,131	6,474	9,298	5,359	7,136	6,399	6,954
North Reading	1,200	900	1,132	2,739	5,624	1,456	3,491	6,765	6,374	9,232	9,372	9,458	9,702	11,363	11,292	12,973	5,513
Norton	5,350	-----	3,370	5,249	4,819	4,617	6,052	6,369	9,923	9,943	25,665	12,290	9,910	6,203	9,008	9,776	9,500
Pembroke	11,923	4,748	6,320	4,594	12,876	8,547	12,976	15,352	28,033	42,292	16,217	18,113	8,175	9,679	7,937	11,346	7,613
Plainville	-----	-----	-----	-----	2,790	2,873	3,610	3,799	3,682	3,733	3,712	11,763	11,176	4,964	5,057	2,921	7,471
Plympton	11,648	5,225	4,960	2,019	10,977	4,169	19,539	25,270	21,596	7,655	7,619	3,275	6,816	3,271	5,919	5,716	5,052
Raynham	2,022	2,676	6,198	6,839	6,062	3,718	19,655	4,916	6,015	4,941	4,913	4,862	4,919	4,897	7,712	7,910	7,805
Rowley	5,256	2,982	-----	3,207	3,095	3,655	4,356	4,528	5,124	5,246	22,535	14,626	10,900	3,990	7,304	4,334	5,630
Sherborn	2,475	3,684	3,416	5,353	6,122	5,901	5,683	6,938	7,265	19,348	22,497	20,176	25,208	31,323	23,672	33,946	8,973
Southborough	-----	-----	-----	-----	-----	4,593	26,605	19,258	13,918	9,123	5,240	7,668	4,821	6,586	15,605	8,548	7,859
Stowe	3,945	6,633	4,685	3,859	3,918	3,603	23,582	6,569	8,215	6,011	6,774	6,711	6,813	5,376	7,725	10,327	8,973
Taunton	-----	-----	-----	-----	-----	-----	-----	17,641	-----	2,373	5,980	-----	-----	-----	-----	-----	-----
Tewksbury	1,203	-----	-----	539	4,466	-----	4,672	6,927	7,423	8,495	19,002	15,628	10,477	13,868	19,132	29,489	9,405
Topsfield	4,637	3,157	-----	-----	3,350	-----	4,035	4,246	4,115	4,173	19,697	39,611	12,009	4,136	4,166	7,861	6,959
Tyngsborough	722	2,200	1,868	4,956	5,666	7,887	6,619	7,492	6,803	10,597	9,476	14,086	11,948	17,903	15,966	13,956	9,026
Upton	-----	2,449	3,036	5,042	5,498	5,239	7,100	8,379	6,393	16,459	6,691	10,004	13,746	19,427	19,424	12,607	10,576
Wenham	-----	-----	-----	431	-----	-----	6,266	9,087	-----	-----	2,986	16,182	4,631	-----	-----	------	-----
Westborough	331	7,214	3,500	6,945	10,585	10,116	13,204	-----	-----	13,443	26,589	29,152	9,858	7,189	9,945	3,225	-----
Westford	-----	2,667	4,515	1,165	4,455	4,476	4,652	5,874	9,114	16,269	19,101	16,306	22,402	23,666	25,047	29,352	14,393
West Newbury	-----	3,000	450	5,612	4,037	10,045	9,760	10,014	8,108	7,401	6,962	7,681	6,107	5,136	11,138	16,632	6,136
Wrentham	1,452	99	10,785	3,200	6,851	3,972	4,884	5,140	4,982	6,051	7,027	6,494	2,518	7,886	12,729	9,941	997
ZONE D - TOTAL	$202,917	$262,811	$231,005	$292,259	$346,172	$409,696	$520,997	$621,974	$596,513	$762,640	$901,395	$1,072,164	$536,483	$591,480	$726,627	$813,574	$526,536

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 10

TOTAL STATE HIGHWAY EXPENDITURES FROM STATE HIGHWAY FUND

1920 - 1936

(Exclusive of Expenditures by Special Acts.)

(Sum of Tables 6 & 9)

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of City or Town	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$ 2,144	$ 5,051	$ 37,014	$ 1,868	$ 6,811	$ 2,626	$ 2,464	$ 3,969	$ 2,336	$ 2,963	$ 2,998	$ 4,170	$ 97,737	$ 103,306	$ 699,580	$ 904,716	$ 286,644
ZONE B																	
Arlington	$ 599	$ 426	$ 312	$10,680	$11,736	$15,930	$13,073	$ 937	$ 2,262	$ 2,076	$13,366	$30,816	$ 21,745	$ 68,136	$ 501,664	$ 176,091	$ 63,120
Belmont	-----	-----	-----	-----	-----	-----	26,667	1,176	17,366	-----	-----	-----	17,059	18,317	161,602	76,193	34,396
Braintree	30,694	29,410	4,926	33,256	35,424	13,277	9,369	60,092	14,767	11,763	22,092	2,169	19,117	29,734	36,533	229,675	136,841
Brookline	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,742	416,365	309,516	163,871
Cambridge	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3,914	90,814	71,624	9,792
Canton	20,014	22,968	6,400	15,389	16,350	213,423	68,831	36,966	25,283	28,062	39,365	27,517	12,116	6,319	13,702	65,232	245,860
Chelsea	949	3,886	1,927	2,430	1,872	3,354	1,536	3,903	2,453	26,003	700	661	636	709	637	23,119	25,604
Cohasset	3,661	499	522	1,164	919	23,157	9,077	5,610	1,861	1,164	1,194	3,160	6,374	141,026	41,426	9,461	4,386
Dedham	2,375	2,079	4,249	21,781	2,383	12,701	9,674	6,644	167,923	76,431	137,994	34,572	121,913	371,977	156,680	276,274	206,009
Dover	1,916	1,939	2,005	4,061	1,879	7,809	2,364	2,632	73,366	17,410	6,561	14,166	1,063	929	2,365	6,910	1,419
Everett	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	16,703	-----
Hingham	43,117	32,738	3,560	5,804	10,116	7,690	209,775	60,689	6,331	21,761	49,308	62,084	192,476	186,412	63,930	24,080	20,219
Hull	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	173,826	37	-----	744	-----
Lexington	13,878	6,261	15,776	-----	6,454	5,172	73,689	23,479	19,472	23,601	34,507	17,329	20,059	13,667	323,603	245,227	155,685
Lynn	2,647	7,362	2,446	9,351	2,013	6,632	31,146	6,867	7,176	19,761	75,761	13,272	3,769	4,667	241,437	537,061	136,747
Malden	157	45	181	7,835	128	190	147	707	17,171	1,036	73	16,786	15,390	12,101	7,913	34	94,471
Medford	371	770	460	120	879	649	542	66,156	18,284	2,059	1,306	1,666	4,906	690	19,834	71,282	16,642
Melrose	1,509	347	1,547	849	672	1,701	705	582	13,960	635	260	21,660	3,429	1,942	6,403	23,099	26,661
Milton	847	1,011	2,034	109,211	104,526	4,068	4,796	74,500	20,196	10,122	57,804	36,411	26,542	22,110	16,060	42,577	313,465
Nahant	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1,646	-----	-----	1,456
Needham	1,991	1,574	2,670	3,423	2,322	15,368	7,342	65,007	44,390	11,828	7,976	18,252	3,513	20,886	20,265	21,120	77,446
Newton	636	230	330	214	2,166	696	397	681	2,217	22,090	35,616	460	486,449	738,634	180,140	184,202	107,336
Norwood	7,644	3,935	2,028	72,482	109,306	1,866	25,439	3,201	13,132	2,469	3,164	11,763	72,961	142,450	56,776	66,065	98,960
Quincy	10,966	47,433	1,697	2,122	3,817	2,581	3,882	95,900	4,928	7,526	99,097	14,161	18,794	25,100	4,499	60,015	406,986
Reading	4,303	5,962	2,528	7,772	27,666	4,266	2,666	4,790	13,035	6,332	127,217	202,165	57,361	20,606	27,747	14,963	80,465
Revere	3,982	7,672	6,240	11,692	9,802	27,357	61,603	6,913	16,211	6,616	26,901	16,624	806,128	219,270	1,232,867	1,310,725	444,156
Saugus	126,821	61,535	7,020	16,644	17,079	46,245	158,385	24,646	198,605	35,460	22,516	24,926	46,988	18,124	26,246	65,661	78,109
Somerville	606	793	2,606	1,240	2,920	2,167	581	67,926	10,496	1,016	761	964	2,020	482	1,102	2,166	64,649
Stoneham	34,955	4,811	1,656	5,917	2,457	2,777	1,366	2,060	1,296	23,713	131,240	16,966	36,226	15,267	26,767	26,066	41,876
Stoughton	10,741	92,716	36,636	2,526	19,640	96,596	38,072	11,527	4,281	4,717	13,352	16,266	4,062	14,170	166,166	49,668	33,791
Swampscott	987	6,082	1,796	3,463	1,738	14,674	5,095	2,281	1,942	3,321	7,167	3,108	46,697	4,420	6,561	61,074	8,945
Wakefield	2,993	1,202	3,000	13,661	5,657	10,371	6,309	-----	3,672	6,483	1,026	521	352	12,013	13,325	16,437	157
Walpole	8,391	10,415	14,332	184,080	238,295	14,931	7,000	13,923	4,193	3,364	2,789	3,172	11,162	17,642	21,602	25,784	140,254
Waltham	-----	30,719	1,153	869	520	726	26,919	973	21,437	4,699	16,239	27,779	40,926	14,429	4,226	24,965	285,606
Watertown	1,241	41,128	992	850	556	871	696	1,042	34,620	25,106	15,056	2,996	11,409	11,365	3,619	20,216	32,210
Wellesley	476	654	779	1,557	2,338	741	463	673	663	15,437	67,634	4,286	132,547	1,169,554	377,990	140,366	91,039
Weston	1,885	1,476	5,711	13,104	10,261	9,074	21,620	19,463	16,259	17,757	41,320	361,674	97,256	6,664	7,362	21,210	52,354
Westwood	4,593	3,131	1,095	13,952	72,106	25,907	14,273	765	15,634	12,789	15,346	16,104	43,092	131,326	59,430	23,921	82,324
Weymouth	18,080	11,876	4,453	7,740	9,547	12,356	191,256	137,602	168,930	10,650	118,045	41,491	49,807	50,354	27,978	63,584	285,120
Winchester	3,240	46,813	27,566	1,710	1,469	2,498	2,523	22,025	1,076	14,672	7,802	6,987	3,178	57,300	86,328	66,537	65,207
Winthrop	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,414	-----
Woburn	12,310	77,423	12,248	4,415	4,570	8,886	9,450	18,405	10,499	11,441	16,690	16,190	12,667	-----	63,201	92,367	190,174
ZONE B - Total	$ 373,775	$ 588,101	$ 192,370	$ 581,830	$ 747,767	$ 620,944	$1,076,247	$ 863,990	$ 987,819	$ 562,431	$1,239,104	$1,113,937	$2,026,971	$3,571,496	$4,516,124	$4,583,414	$4,350,434
TOTAL - (ZONES A & B)	$ 375,919	$ 593,152	$ 249,384	$ 593,496	$ 753,978	$ 623,570	$1,076,711	$ 867,979	$ 990,157	$ 565,414	$1,242,098	$1,116,107	$2,124,706	$3,674,803	$5,216,704	$5,488,129	$5,337,078
ZONE C																	
Abington	$ 2,814	$ 4,727	$ 8,943	$ 10,047	$ 43,651	$ 2,615	$ 7,643	$ 4,651	$ 49,486	$ 17,216	$ 73,954	$ 76,665	$ 67,502	$ 3,819	$ 14,766	$ 16,699	$ 101,164
Avon	472	1,417	1,282	967	2,363	6,890	4,552	6,993	6,450	9,876	27,647	129,077	4,019	2,056	13,746	11,906	25,716
Bedford	1,918	7,688	7,976	1,202	6,749	10,512	56,262	1,833	1,636	8,396	10,059	13,073	21,461	6,237	16,270	20,412	31,289
Beverly	4,321	10,368	6,588	6,233	6,232	6,435	7,315	40,700	36,331	19,433	23,260	12,990	65,182	6,761	9,532	27,064	74,609
Bridgewater	2,061	11,807	7,113	8,647	30,288	20,337	37,393	13,301	2,191	4,467	301,386	94,429	6,939	7,636	16,064	25,774	23,646
Brockton	972	2,688	2,916	7,694	2,670	3,726	42,090	102,476	1,655	2,489	6,391	114,026	16,163	20,350	29,165	29,016	152,833
Burlington	4,762	6,366	7,068	160,761	44,443	10,920	11,646	10,399	14,861	16,466	22,173	18,106	19,797	51,693	58,133	35,360	23,108
Concord	5,649	2,479	3,395	17,143	6,893	8,479	6,728	6,536	4,656	17,996	27,676	26,476	12,121	21,641	446,677	339,654	62,079
Danvers	66,134	26,549	136,960	64,330	11,076	14,701	4,306	13,639	17,592	184,432	60,161	24,611	10,306	10,160	26,668	73,886	52,663
East Bridgewater	14,930	6,515	5,196	4,603	8,526	22,410	16,156	17,364	63,336	29,342	84,473	139,958	1,467	8,026	12,168	16,316	35,657
Easton	925	3,825	167,333	352,087	54,758	16,090	12,668	11,631	6,201	6,669	11,763	34,412	17,700	27,969	220,158	42,967	30,581
Foxborough	2,118	1,770	6,702	19,254	13,142	6,982	3,626	2,740	3,526	19,266	84,348	48,063	10,758	14,667	12,840	12,126	28,184
Framingham	8,637	13,330	13,700	31,675	12,077	40,232	14,317	13,306	12,632	107,646	24,884	26,162	29,966	47,158	60,272	177,440	276,356
Gloucester	4,570	4,057	5,457	92,409	4,762	3,922	2,662	23,870	22,694	166,952	37,094	12,003	16,605	14,440	169,196	121,265	81,387
Hanover	1,778	6,992	6,976	3,879	6,210	6,027	2,777	2,767	1,993	1,716	269,986	13,743	3,301	2,976	15,111	19,427	4,602
Holbrook	9,482	7,882	8,699	6,740	10,287	20,929	6,754	5,620	66,426	16,202	16,710	10,366	27,589	13,177	9,672	13,554	12,662
Lincoln	11,212	7,304	6,149	11,099	13,562	12,962	14,393	14,636	6,559	6,686	7,544	14,440	11,909	6,781	364,504	168,751	26,892
Lynnfield	25,921	125,781	18,336	1,910	1,897	1,922	2,049	2,109	74,603	62,756	15,294	16,064	16,967	15,264	6,260	20,036	38,536
Manchester	-----	-----	-----	-----	-----	-----	-----	-----	116	239	455	373	192	367	627	16,203	15,662
Mansfield	1,570	7,710	1,074	271	656	1,469	1,563	3,904	34,665	61,764	13,420	14,775	4,107	10,647	6,336	6,806	26,069
Marblehead	-----	10,014	357	-----	6,720	-----	-----	-----	-----	-----	10,337	7,496	2,110	12,562	9,258	13,857	6,361
Maynard	1,475	2,958	4,515	6,735	6,771	16,658	9,367	-----	12,204	7,408	-----	-----	-----	-----	4,361	16,762	2,167
Medfield	-----	1,500	-----	4,840	7,290	10,694	11,806	17,602	16,666	16,062	16,124	4,416	4,396	6,683	6,640	7,129	9,461
Natick	2,145	4,006	3,243	6,701	14,962	16,962	24,734	16,405	3,676	6,672	260,600	10,228	18,124	17,977	26,602	99,542	144,526
Norwell	60,221	28,550	1,170	11,688	7,410	6,244	23,026	7,030	7,281	5,702	7,323	6,306	105,600	7,613	8,264	11,300	26,026
Peabody	77,322	114,087	9,774	2,495	2,700	1,752	2,271	3,169	6,161	139,626	6,340	9,106	10,226	5,286	11,019	44,172	61,326
Randolph	19,852	6,068	5,066	2,236	18,622	9,427	4,008	6,939	21,093	16,060	163,704	51,917	130,361	8,822	26,671	103,715	98,649
Rockland	2,439	5,426	12,366	3,147	15,006	9,804	10,310	206	66,226	3,658	626	18,674	12,044	13,317	19,673	37,963	36,362
Rockport	1,909	5,152	1,464	20,406	35,339	11,614	13,026	66,636	6,946	617	27,349	9,021	1,440	667	1,368	5,614	1,107
Salem	1,416	3,353	1,977	10,557	2,249	4,137	3,960	19,226	11,663	106,558	10,767	11,953	110,767	6,601	11,366	76,061	83,727
Scituate	1,870	7,165	4,417	7,155	44,926	3,403	3,477	4,687	1,662	2,293	12,210	6,366	2,676	141,623	212,066	22,281	6,666
Sharon	2,860	5,631	3,731	7,245	5,429	6,664	33,858	6,022	4,976	6,363	5,196	14,100	4,204	1,907	2,400	4,809	147,614
Sudbury	5,306	4,041	5,762	11,972	16,593	9,578	10,199	12,861	16,524	17,391	17,946	17,006	36,780	20,024	17,936	45,603	38,116
Wayland	27,740	4,693	9,313	5,251	66,163	27,830	8,629	7,671	20,969	12,139	9,477	19,741	30,772	16,193	26,242	32,406	42,924
West Bridgewater	3,279	7,310	8,636	10,362	16,297	11,442	220,291	36,916	5,853	6,767	16,526	10,406	1,322	9,146	6,620	10,476	136,816
Whitman	2,788	2,404	1,601	6,620	2,373	30,540	6,169	7,174	76,198	1,602	1,260	2,091	74,331	16,495	2,853	34,654	31,287
Wilmington	55,767	6,456	5,716	24,762	13,397	10,030	11,441	62,431	56,160	20,164	13,166	11,606	14,809	11,597	9,636	16,190	33,266
ZONE C - TOTAL	$ 432,806	$ 480,691	$ 503,236	$ 946,262	$ 566,499	$ 407,156	$ 665,746	$ 585,436	$ 766,643	$1,064,797	$1,688,071	$1,049,604	$ 908,858	$ 601,389	$1,906,838	$1,776,471	$2,106,811
ZONE D - TOTAL	$ 927,422	$1,144,060	$1,632,982	$1,270,723	$2,063,033	$1,675,964	$1,884,102	$2,272,661	$1,638,060	$2,221,136	$3,974,016	$5,393,067	$2,677,162	$1,911,224	$1,736,782	$3,220,743	$3,137,961

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 10B

TOTAL STATE HIGHWAY EXPENDITURES FROM STATE HIGHWAY FUND

1920 - 1936

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of City or Town	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$116,764	$ 22,573	$ 16,724	$ 17,167	$ 20,648	$ 18,926	$ 14,669	$ 28,336	$ 18,962	$ 13,732	$ 23,081	$ 31,400	$ 27,066	$ 23,581	$ 23,414	$106,168	$ 49,582
Andover	45,578	45,569	11,179	127,088	43,055	50,713	3,920	4,967	16,493	54,913	113,680	391,671	197,190	11,998	25,322	210,241	130,615
Ashland	3,995	13,416	5,179	8,184	8,677	66,150	15,352	8,247	7,677	11,563	11,630	16,103	14,994	14,329	28,639	68,660	48,081
Attleboro	43,715	4,972	2,552	17,643	65,170	11,266	3,021	177,217	2,438	32,793	99,202	197,916	11,098	4,411	9,692	23,400	36,327
Ayer	13,173	4,261	7,667	13,507	2,303	4,069	10,773	68,538	76,370	13,578	14,613	15,930	19,099	11,635	14,743	13,062	191,631
Bellingham	4,636	8,256	6,508	9,252	20,969	22,662	19,236	58,051	132,452	36,319	19,699	18,556	14,090	11,663	12,299	9,969	40,424
Berlin	3,349	2,619	2,035	10,932	9,214	8,517	10,918	10,230	11,307	16,464	17,126	11,046	11,717	14,879	15,425	20,428	12,342
Billerica	120,143	48,592	2,072	13,182	10,100	58,898	62,398	35,134	22,283	16,563	115,448	64,489	99,733	44,891	47,567	70,528	81,946
Bolton	4,243	1,977	4,713	5,015	5,969	5,530	9,383	17,748	16,883	37,585	12,402	10,684	15,102	23,522	27,788	19,616	10,741
Boxborough	4,569	4,681	5,388	4,434	5,942	6,200	5,636	7,409	8,381	8,933	9,940	12,725	8,646	9,921	9,260	21,297	6,072
Carlisle	3,000	3,484	3,477	5,147	4,166	4,810	8,677	19,667	15,268	16,469	10,834	15,304	6,486	9,746	8,407	17,753	7,227
Chelmsford	20,351	22,811	28,076	25,265	166,033	22,136	83,772	71,582	14,452	11,309	14,542	14,666	42,326	28,349	27,033	102,223	208,977
Dracut	2,050	7,778	5,280	34,986	13,591	12,654	7,436	22,017	27,810	11,153	6,730	9,375	10,667	31,192	30,203	354,736	166,650
Dunstable	3,250	2,906	3,942	3,566	8,597	4,156	6,286	7,421	8,628	8,556	6,685	8,585	8,779	6,307	10,547	13,903	7,646
Duxbury	2,269	15,113	3,393	5,136	11,419	10,686	11,167	82,340	36,820	14,654	4,135	182,418	75,460	3,574	3,727	5,778	5,551
Essex	2,558	3,442	11,248	8,487	131,144	13,674	3,961	6,766	5,574	55,361	16,241	6,064	9,420	17,504	43,236	33,458	12,763
Franklin	6,307	6,556	6,195	9,827	6,913	12,156	11,635	82,157	136,008	19,818	22,008	9,890	15,106	10,779	17,107	19,994	6,136
Georgetown	3,207	-----	5,000	5,005	2,233	7,985	5,950	6,151	18,406	37,136	22,787	32,357	13,952	5,857	7,523	17,502	6,550
Groton	19,989	157,550	2,599	1,990	5,920	4,039	8,388	7,932	10,181	16,670	24,805	89,195	45,579	54,695	19,755	80,717	25,663
Groveland	6,263	2,335	3,140	5,017	12,309	30,323	5,779	27,141	107,770	24,462	5,307	12,050	4,811	4,459	6,619	9,269	30,654
Halifax	60	5,209	1,600	2,650	2,667	8,230	4,018	3,578	25,285	3,594	41,750	23,282	14,165	4,003	11,954	20,784	10,563
Hamilton	3,378	1,416	1,476	6,559	2,309	6,714	17,553	9,497	9,333	6,654	16,056	26,963	7,401	30,967	11,435	46,560	45,537
Hanson	3,793	2,457	4,000	4,191	7,229	2,443	9,562	16,850	17,990	14,239	13,623	17,838	15,896	4,256	5,039	8,604	5,468
Harvard	6,436	6,063	14,372	11,372	13,436	15,778	13,072	23,977	17,328	10,539	42,568	28,328	9,852	26,504	15,240	67,950	42,412
Haverhill	12,941	9,071	113,336	56,652	202,541	4,871	49,912	22,155	11,004	13,196	20,148	78,549	17,949	47,519	10,643	63,244	105,092
Holliston	4,582	5,702	12,297	13,713	11,481	46,238	139,664	33,619	7,293	17,152	14,228	37,297	17,532	14,412	40,690	76,061	41,831
Hopedale	440	706	1,389	444	815	578	129	387	112	22,405	5,189	58,194	93,473	971	2,290	399	13,240
Hopkinton	4,850	5,847	5,807	10,603	10,977	10,056	11,640	14,537	12,363	14,615	14,652	14,474	13,107	16,067	26,555	20,234	15,772
Hudson	1,661	7,066	5,083	1,557	7,425	1,609	1,632	1,558	1,168	19,685	16,196	8,901	6,419	80,181	40,901	40,719	23,021
Ipswich	8,696	14,109	96,899	85,144	68,223	83,006	12,150	11,385	7,559	35,203	63,630	20,934	72,731	80,813	29,830	32,828	53,953
Kingston	10,688	36,242	4,714	11,122	10,416	10,538	10,635	81,851	22,607	122,076	1,510	40,013	28,313	1,790	7,201	13,154	26,931
Lawrence	1,875	811	1,663	1,209	16,373	51,459	2,541	1,442	1,863	5,373	5,833	2,043	8,699	769	20,602	122,393	105,006
Littleton	124,013	191,945	74,618	8,633	9,904	29,889	56,853	12,347	22,685	17,766	33,906	24,882	19,289	18,772	66,096	103,602	51,131
Lowell	5,316	7,206	37,888	14,009	106,890	9,631	2,081	1,723	17,771	13,840	6,956	19,337	12,790	3,210	77,426	142,288	108,033
Marlborough	5,752	6,434	7,892	9,257	38,783	16,789	9,223	35,788	237,394	47,663	24,760	257,977	78,406	18,346	38,167	82,191	48,658
Marshfield	10,915	14,824	3,724	6,580	6,050	6,232	3,437	199,683	52,604	56,793	18,630	15,936	8,351	9,213	37,549	16,946	6,510
Medway	2,502	5,496	6,675	7,062	7,787	9,878	9,378	23,751	28,009	28,784	17,648	29,318	10,465	5,754	8,615	6,338	11,752
Mendon	3,259	38,909	121,209	46,236	7,977	7,135	11,420	15,375	8,651	19,976	15,232	50,999	39,148	18,510	16,669	18,748	19,602
Merrimac	4,679	4,646	61,817	32,665	6,356	14,122	63,586	19,963	4,388	4,952	15,519	58,855	11,048	9,436	9,448	36,471	36,513
Methuen	8,464	5,009	17,527	17,398	99,664	85,391	124,251	15,431	15,716	14,739	16,337	31,659	65,946	13,748	7,933	179,311	96,334
Middleborough	14,756	8,629	10,526	42,441	62,216	121,515	217,879	22,900	10,938	6,436	537,276	58,081	67,032	120,606	25,164	14,155	22,085
Middleton	12,298	79,366	38,358	7,736	1,555	5,693	6,641	4,670	8,314	12,699	12,640	12,398	7,392	87,470	16,664	97,486	124,907
Milford	1,931	5,605	12,163	16,128	17,383	5,834	4,464	4,044	1,666	177,465	24,901	102,370	65,035	11,704	13,471	27,425	28,241
Millis	1,000	5,072	3,052	5,176	1,876	14,597	20,709	24,797	25,918	16,919	17,594	19,190	9,860	8,107	7,395	6,307	11,075
Newbury	9,400	11,149	225,595	39,979	10,922	16,138	21,179	29,607	22,513	29,812	498,600	150,416	47,324	137,484	46,305	32,644	39,216
Norfolk	3,630	4,281	7,397	83,079	18,057	9,768	14,705	13,047	15,525	9,972	15,011	17,877	8,271	6,706	9,496	8,112	11,496
North Andover	10,119	12,747	15,162	10,110	80,916	62,134	13,449	133,213	34,242	136,798	48,705	196,552	68,748	38,804	45,446	39,973	156,095
North Attleborough	6,071	2,782	3,900	18,936	161,571	15,061	99,062	27,792	2,445	2,718	394,927	218,858	22,207	9,861	5,899	9,139	29,893
Northborough	2,377	4,163	9,241	17,808	26,186	13,791	9,008	11,773	12,883	14,676	51,989	525,215	190,634	27,296	21,934	39,303	26,505
North Reading	3,763	3,428	2,543	4,615	25,867	2,600	4,832	10,385	9,231	11,321	12,044	225,561	62,728	14,823	14,532	16,360	31,534
Norton	10,564	4,147	6,436	13,335	14,424	19,813	14,672	13,892	38,214	227,234	73,721	24,806	36,606	17,477	19,162	23,711	34,200
Pembroke	13,444	8,427	11,094	9,211	100,244	23,416	18,111	21,284	29,793	43,694	72,393	181,842	47,960	18,260	10,003	16,774	10,860
Plainville	4,988	5,627	5,558	9,096	11,527	109,758	85,980	6,760	8,015	8,843	8,242	263,162	72,844	19,166	11,642	11,557	19,166
Plympton	11,648	5,225	4,960	2,019	10,977	4,169	19,539	26,270	21,596	7,555	7,819	3,275	8,616	3,971	5,919	7,216	5,074
Raynham	8,551	6,390	9,409	14,656	13,884	130,548	28,866	204,640	10,874	9,806	9,626	9,316	90,430	236,421	144,873	56,430	62,944
Rowley	8,455	7,806	160,779	40,465	9,640	11,216	12,104	10,611	11,001	11,900	187,290	242,368	59,174	12,520	20,386	30,157	21,903
Sherborn	2,475	3,684	3,616	5,353	8,122	6,901	5,683	8,936	7,265	19,348	22,497	20,176	25,208	31,323	23,672	36,096	8,578
Southborough	2,565	1,548	2,704	3,076	3,870	9,686	30,634	21,979	17,372	71,137	127,502	382,706	112,343	13,391	27,613	25,213	49,923
Stowe	3,945	8,833	4,885	3,859	3,916	3,803	23,582	6,569	8,216	8,011	6,774	6,711	6,813	6,376	7,725	12,477	6,973
Taunton	47,450	49,194	5,951	10,231	10,266	211,038	34,642	181,704	74,728	20,007	120,802	34,129	42,332	116,643	98,408	35,250	136,078
Tewksbury	5,636	2,133	4,188	3,760	7,740	2,337	8,832	19,189	10,841	12,751	23,770	21,101	25,020	35,881	29,447	57,477	130,294
Topsfield	4,937	4,957	259,283	50,714	6,915	6,561	8,755	9,876	10,646	81,941	221,876	51,031	18,866	12,099	11,934	19,281	29,488
Tyngsborough	6,618	11,156	12,361	12,321	169,472	41,937	10,412	9,718	11,765	13,806	20,097	463,470	98,661	25,301	116,880	50,637	41,931
Upton	3,020	106,603	10,230	15,209	12,789	9,365	9,404	13,677	20,995	160,476	53,695	16,116	18,039	26,379	23,060	19,228	19,635
Wenham	35,148	1,345	3,445	7,785	677	1,108	8,608	11,443	1,422	2,508	6,244	45,876	22,067	6,825	3,467	3,255	31,307
Westborough	3,634	9,302	5,524	12,019	16,279	13,668	17,121	2,293	3,152	18,007	340,519	692,615	129,901	16,559	22,787	22,123	25,225
Westford	8,564	12,588	9,267	6,735	9,403	90,075	139,637	47,348	12,202	29,509	23,890	24,364	27,827	28,745	34,104	101,801	66,506
West Newbury	6,951	6,801	5,632	13,053	10,289	14,280	16,301	14,984	13,338	12,635	14,572	16,522	58,738	103,540	25,610	33,741	38,809
Wrentham	9,308	8,254	21,375	115,763	28,942	173,511	107,386	182,837	30,903	116,110	38,418	211,968	63,647	28,704	26,370	26,618	85,676
ZONE D - TOTAL	$927,422	$1,144,050	$1,632,982	$1,270,723	$2,063,033	$1,875,984	$1,884,102	$2,272,861	$1,696,060	$2,221,135	$5,974,018	$8,393,087	$2,577,182	$1,011,294	$1,736,782	$3,220,743	$3,137,961

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 11

TOTAL HIGHWAY EXPENDITURES BY THE BOSTON METROPOLITAN DISTRICT COMMISSION

(1920 - 1936)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$361,301	$387,558	$342,414	$466,936	$405,034	$493,876	$1,078,558	$1,043,527	$844,045	$1,324,940	$814,540	$470,800	$699,756	$459,768	$465,310	$363,047	$359,981
ZONE B																	
Arlington	$ 7,327	$ 7,798	$ 7,959	$ 9,734	$ 5,737	$ 11,656	$ 20,170	$ 18,269	$ 21,470	$ 40,748	$ 23,734	$ 14,655	$ 19,253	$ 14,012	$ 34,173	$ 28,314	$ 24,161
Belmont	4,852	5,096	5,269	6,449	5,764	7,159	12,318	11,173	13,860	25,913	16,100	9,079	13,633	9,987	18,574	16,762	10,906
Braintree	2,536	2,760	2,902	3,767	3,348	4,692	6,658	7,792	8,648	6,836	22,147	22,900	6,043	5,812	6,315	5,536	5,835
Brookline	20,542	22,531	21,486	29,411	24,822	31,789	61,148	54,680	55,444	351,886	149,563	34,635	47,980	34,007	37,805	29,514	29,406
Cambridge	39,473	42,402	39,945	51,256	45,231	62,743	309,603	198,983	74,912	937,316	87,176	49,000	61,673	44,936	48,657	42,447	39,937
Canton	1,671	1,823	1,736	2,299	2,026	2,419	4,293	3,859	3,565	3,772	4,131	2,525	8,139	4,933	2,316	1,841	1,956
Chelsea	10,184	11,176	10,577	13,559	12,200	15,603	27,553	24,833	23,795	47,159	26,560	19,765	20,064	13,247	14,199	11,617	11,391
Cohasset	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Dedham	3,402	3,699	3,546	4,683	4,093	5,055	9,418	8,472	8,644	17,795	10,145	6,336	14,881	9,102	17,310	5,197	5,325
Dover	616	662	602	831	696	786	1,524	1,362	1,211	1,345	1,473	832	1,095	778	863	856	516
Everett	10,502	11,479	11,253	14,643	12,985	15,772	26,039	25,230	24,168	50,827	29,074	16,719	23,015	16,803	18,199	15,400	15,571
Hingham	1,732	1,885	1,974	2,622	2,279	3,013	5,590	5,014	4,694	5,179	15,043	5,595	4,555	3,255	3,587	2,899	3,075
Hull	2,255	2,463	2,370	3,333	2,740	3,802	7,827	6,802	5,904	6,853	6,407	3,287	4,703	3,284	3,699	2,828	3,051
Lexington	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,071	-----	-----	-----	-----	2,203	9,660	357
Lynn	26,220	28,652	26,863	34,829	30,994	35,468	62,074	55,924	51,107	53,207	56,293	40,273	47,579	33,515	36,186	30,198	30,800
Malden	15,484	16,263	15,915	19,154	17,747	18,969	33,074	29,430	27,863	53,152	60,596	25,728	29,427	20,306	21,652	18,542	18,187
Medford	14,271	14,757	14,717	17,386	16,225	17,765	32,095	25,450	29,001	55,425	34,424	24,568	29,706	22,630	24,185	20,987	30,984
Melrose	4,858	5,318	5,170	6,735	5,965	7,412	13,335	12,000	11,807	25,039	14,306	9,149	11,486	8,367	9,060	7,807	8,062
Milton	4,460	4,806	4,487	6,085	5,152	6,445	12,427	11,142	11,474	26,073	14,534	8,698	10,829	7,765	8,547	7,062	7,430
Nahant	939	1,006	920	1,271	1,063	1,238	2,403	2,148	1,756	1,756	1,923	1,066	1,634	1,159	1,287	1,036	1,095
Needham	2,477	2,685	2,484	3,302	2,858	4,021	7,614	6,534	6,662	14,477	8,188	5,003	12,527	58,664	17,653	16,574	4,943
Newton	19,543	21,365	14,113	27,589	23,894	28,328	53,348	47,615	49,482	105,052	58,611	34,899	47,044	33,702	37,114	30,004	30,996
Norwood	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Quincy	17,443	17,837	17,313	25,816	27,161	44,135	58,641	165,301	160,325	106,221	63,310	43,264	49,527	36,744	37,469	31,596	32,451
Reading	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Revere	6,549	7,193	6,936	8,875	8,002	10,528	17,897	15,970	15,416	27,978	17,351	26,620	21,997	102,258	41,097	9,545	86,561
Saugus	2,191	2,417	2,281	2,865	2,630	3,179	5,453	4,965	5,327	9,835	5,923	4,264	4,977	3,714	3,948	3,625	3,655
Somerville	27,123	28,974	26,660	32,994	30,241	33,628	57,577	51,682	48,853	591,197	55,448	37,426	43,313	32,571	34,706	29,620	28,631
Stoneham	2,576	1,951	2,677	3,191	2,970	2,803	5,863	5,211	5,302	9,817	5,371	4,183	5,348	4,038	4,336	3,651	3,601
Stoughton	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Swampscott	3,275	3,540	3,356	4,612	3,675	5,235	8,878	7,958	9,038	9,096	10,622	5,835	7,593	5,436	5,990	4,615	5,026
Wakefield	3,442	3,761	3,527	4,573	4,070	5,403	9,845	8,864	8,753	8,834	9,677	6,157	7,245	5,310	5,731	4,674	4,795
Walpole	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Waltham	8,239	9,001	9,692	12,748	11,167	13,537	24,621	22,139	20,894	41,240	23,605	15,164	18,434	13,467	14,577	12,225	12,544
Watertown	6,803	7,395	6,857	9,034	7,914	10,692	17,253	17,826	18,711	38,590	21,776	14,106	17,166	12,510	13,570	11,320	44,106
Wellesley	3,432	3,689	3,702	5,076	4,277	6,574	12,967	11,595	11,475	22,465	12,401	7,166	10,447	7,428	8,234	6,846	7,276
Weston	1,872	1,936	1,658	2,172	1,904	1,675	3,506	3,229	3,017	5,993	3,328	1,936	2,652	1,693	2,091	1,617	1,927
Westwood	592	639	592	799	684	917	1,752	1,570	1,442	1,546	1,693	1,026	6,312	5,926	1,166	3,164	1,031
Weymouth	3,584	3,830	3,825	4,924	4,412	5,979	10,770	9,699	14,348	15,635	51,934	36,831	14,197	10,916	11,516	9,006	9,416
Winchester	4,060	4,382	4,895	6,629	5,653	6,194	11,694	10,392	10,690	21,091	11,775	6,920	9,385	6,717	7,403	5,884	6,120
Winthrop	4,125	4,506	4,244	5,510	4,897	5,723	10,081	9,076	9,306	17,948	10,312	6,544	7,926	5,790	6,267	5,245	5,344
Woburn	4,232	4,530	4,142	5,323	4,778	5,746	10,102	9,112	7,917	15,653	9,241	6,260	7,737	5,709	6,125	4,945	5,009
ZONE B - TOTAL	$293,746	$314,143	$296,872	$394,675	$353,516	$436,299	$1,049,043	$914,663	$766,806	$2,780,043	$965,379	$554,369	$652,222	$406,909	$561,816	$447,464	$544,067
TOTAL -(ZONES A & B)	$655,047	$701,701	$639,286	$861,011	$758,550	$930,175	$2,127,895	$1,958,400	$1,631,451	$4,104,983	$1,769,919	$1,025,169	$1,351,978	$1,066,667	$1,027,126	$810,511	$904,048

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cons.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 12

LOCAL EXPENDITURES FOR HIGHWAY CONSTRUCTION, (1920 - 1936)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$1,324,681	$2,855,266	$2,280,563	$1,467,994	$2,564,316	$4,569,240	$4,942,681	$2,860,537	$4,877,493	$2,911,726	$5,505,939	$4,724,612	$3,319,889	$1,696,066	$ 894,644	$1,293,392	$1,122,907
ZONE B																	
Arlington	$ 38,167	$ 28,232	$ 50,682	$ 81,863	$119,677	$116,466	$148,329	$165,187	$169,182	$312,885	$146,841	$234,728	$145,319	$110,173	$166,696	$119,462	$111,533
Belmont	9,685	9,731	25,612	16,450	28,648	25,310	203,966	93,322	180,860	118,789	150,125	71,671	80,977	44,228	72,330	58,399	78,695
Braintree	12,188	20,710	24,092	6,360	26,776	96,259	86,871	235,496	59,369	131,608	166,135	95,732	78,946	1,920	47,427	60,733	34,011
Brookline	119,781	18,167	69,433	145,264	162,670	70,731	196,335	211,596	206,449	719,476	573,049	291,569	78,459	60,501	65,540	80,629	154,360
Cambridge	280,284	359,582	367,476	440,219	373,280	464,420	859,659	962,366	863,611	1,416,900	664,063	762,722	319,526	442,563	639,598	661,662	622,972
Canton	38,377	78,414	16,796	23,255	48,868	42,612	26,563	64,806	67,999	82,361	44,749	46,409	18,961	3,075	14,047	17,017	19,396
Chelsea	287,766	198,401	172,284	339,429	215,796	84,598	172,699	219,769	217,420	162,747	108,362	39,206	10,768	3,920	5,691	50,820	22,496
Cohasset	32,948	6,340	340	8,525	36,299	22,476	8,018	24,539	28,681	10,382	15,460	15,446	2,557	864	9,698	10,144	15,384
Dedham	22,641	29,951	32,527	37,607	44,462	71,167	99,320	111,834	192,468	131,114	101,196	96,504	30,634	10,664	60,364	68,855	69,807
Dover	9,750	7,144	6,550	8,152	4,358	17,495	11,398	16,186	4,912	4,641	26,488	18,632	2,130	899	832	9,907	3,352
Everett	71,110	78,319	69,482	155,743	111,345	143,279	105,240	227,076	266,894	228,524	261,932	19,688	596	4,779	11,233	3,396	193,192
Bingham	10,066	6,160	11,251	113,350	12,038	7,668	13,296	20,941	39,220	41,702	90,686	65,872	14,789	1,770	10	7,066	9,823
Hull	19,449	24,271	27,014	43,681	39,367	76,669	24,294	49,484	49,437	37,988	81,186	167,185	16,666	17,176	6,863	21,647	44,944
Lexington	60,975	53,365	62,841	11,181	6,453	30,798	38,263	50,231	72,131	96,009	108,177	77,908	26,218	23,738	24,163	76,330	63,922
Lynn	323,126	309,906	297,739	340,654	372,812	307,490	25,923	279,509	141,399	60,606	281,593	266,573	77,124	106,636	182,117	193,409	194,366
Malden	70,454	195,360	253,725	299,413	228,710	107,414	108,140	107,944	130,816	184,280	249,169	282,849	141,208	173,695	170,392	179,763	258,491
Medford	154,033	46,360	45,616	277,025	253,600	190,161	236,373	240,184	201,186	332,656	224,833	157,360	66,384	37,281	61,914	361,474	198,627
Melrose	92,009	82,539	68,621	29,724	18,016	62,783	107,313	97,403	87,065	107,629	125,684	122,710	59,924	62,042	32,786	66,840	46,042
Milton	30,592	25,018	43,857	61,466	87,985	87,667	52,497	103,524	96,762	118,164	162,883	196,487	71,469	30,863	66,467	66,740	53,880
Nahant	7,056	2,649	247	4,179	792	1,661	492	3,619	781	4,243	7,199	6,306	4,246	16,986	1,773	12,484	2,627
Needham	16,462	20,475	32,479	52,264	41,026	66,923	53,717	62,011	87,899	112,938	127,090	96,623	53,675	74,406	23,349	36,894	16,687
Newton	275,853	118,747	78,307	138,706	132,372	134,667	132,116	283,825	162,426	389,268	297,994	166,202	129,141	20,861	86,461	191,499	600,248
Norwood	23,268	35,526	33,648	25,708	71,885	33,345	141,688	64,403	93,346	84,128	94,817	100,745	30,688	9,784	37,847	149,262	74,755
Quincy	349,907	272,858	158,669	37,193	456,204	361,170	367,166	586,069	644,893	602,183	556,743	468,968	233,114	65,026	691,669	379,631	317,597
Reading	14,722	13,926	15,144	13,172	6,024	23,509	20,393	13,916	9,892	21,674	26,106	28,619	30,833	30,916	44,383	13,494	36,957
Revere	141,319	238,888	184,397	338,857	152,933	74,096	97,821	19,180	68,235	146,326	210,978	169,028	8,938	93,411	39,453	1,374	66,760
Saugus	37,301	16,663	11,441	32,285	49,436	87,385	39,812	60,883	55,343	47,787	29,590	51,537	16,002	471	11,424	11,315	25,002
Somerville	120,865	147,758	133,350	161,129	124,169	306,763	224,925	226,052	191,062	816,254	212,442	132,457	340,619	48,243	119,684	234,781	146,710
Stoneham	14,932	10,830	5,543	4,979	8,225	6,696	6,249	7,836	11,803	96,642	112,326	43,857	23,070	36,366	52,680	66,091	21,752
Stoughton	805	14,161	38,822	11,354	47,206	60,612	47,377	26,196	13,365	13,824	32,113	28,349	3,423	3,993	7,909	11,090	14,514
Swampscott	15,552	47,691	36,400	22,907	11,660	80,323	66,696	46,903	22,274	64,250	68,666	19,663	7,992	3,683	3,972	16,807	19,873
Wakefield	24,009	28,760	29,459	76,657	49,537	41,357	22,966	25,770	66,252	67,960	40,890	64,462	20,993	38,122	43,116	69,586	64,520
Walpole	22,110	49,234	46,823	33,725	67,911	64,220	34,677	70,059	37,843	32,039	40,107	27,165	20,051	24,772	24,000	24,904	130,923
Waltham	123,178	243,109	128,439	91,531	111,594	85,248	206,203	220,674	314,482	168,633	93,644	43,167	43,816	10,860	36,653	146,642	127,579
Watertown	124,235	195,955	37,552	70,271	69,376	68,147	251,047	187,354	224,622	376,076	169,306	167,425	163,091	84,273	64,141	83,417	72,660
Wellesley	15,202	5,005	22,848	10,508	34,881	14,437	42,613	48,197	38,048	100,991	108,648	65,446	39,620	34,810	24,906	24,101	31,403
Weston	500	-----	6,748	27,771	18,944	16,244	40,476	30,000	29,711	66,332	48,554	37,946	9,648	505	5,800	14,056	9,807
Westwood	17,277	14,970	22,665	29,698	28,941	35,626	49,897	628	45,148	85,249	49,857	58,686	16,844	5,772	2,660	13,269	6,233
Weymouth	44,225	35,570	44,152	7,576	33,901	102,153	101,218	124,113	79,282	85,292	144,627	123,191	39,817	47,689	27,049	77,660	71,898
Winchester	34,167	18,006	66,845	44,552	21,681	35,652	41,160	82,179	68,820	139,448	114,633	77,197	43,307	58,297	63,243	87,965	100,688
Winthrop	38,438	27,188	30,974	49,182	25,688	30,137	120,048	64,553	76,545	65,170	67,807	123,017	21,709	45,899	67,680	11,699	29,828
Woburn	93,843	96,736	62,690	50,776	37,194	51,989	62,286	73,736	68,839	61,717	93,109	98,546	11,061	940	17,674	47,476	139,112
ZONE B - TOTAL	$3,250,617	$3,208,605	$2,866,980	$3,755,706	$3,784,817	$3,682,007	$4,692,642	$5,643,461	$5,460,382	$7,642,647	$6,246,120	$6,228,779	$2,554,637	$1,865,093	$3,016,525	$3,666,876	$4,216,007
TOTAL - (ZONES A & B)	$4,575,298	$5,463,871	$5,155,543	$5,213,700	$6,339,135	$8,251,247	$9,636,423	$8,403,998	$10,357,876	$10,664,373	$11,752,059	$9,947,391	$5,874,496	$3,410,159	$3,911,169	$4,960,268	$5,340,914
ZONE C																	
Abington	$ 5,828	$ 12,005	$ 21,568	$ 11,985	$ 4,971	$ 530	$ 23,676	$ 1,199	$ 14,184	$ 10,557	$ 9,543	$ 22,020	$ 3,495	$ 534	$ 15,257	$ 29,868	$ 11,972
Avon	-----	50	-----	-----	57	8,837	9,016	4,769	20,000	23,774	22,304	24,501	13,767	875	22,793	14,350	8,544
Bedford	3,293	18,245	18,342	363	18,016	19,947	24,846	14,694	11,011	9,833	11,391	5,858	2,800	1,662	16,630	19,086	16,812
Beverly	29,818	60,042	53,610	64,113	47,728	38,850	43,944	51,608	27,363	108,812	185,113	11,709	9,408	9,954	11,492	27,591	31,776
Bridgewater	7,299	16,633	11,706	22,314	16,391	8,199	6,269	9,756	20,293	9,851	16,886	28,630	16,029	8,917	29,991	47,643	19,650
Brockton	155,403	122,106	520,856	226,242	113,317	166,665	164,777	234,993	186,957	234,166	212,181	265,074	79,873	45,672	196,745	226,484	203,228
Burlington	-----	6,900	8,959	11,666	8,484	11,096	10,061	11,976	21,930	27,660	25,244	16,174	21,617	16,005	19,798	13,103	19,666
Concord	41,618	819	40,134	61,886	9,691	36,645	38,793	6,636	4,669	49,225	64,293	39,038	9,691	35,616	23,392	25,074	31,350
Danvers	38,681	49,041	73,041	76,544	25,666	63,190	20,390	45,909	93,556	26,752	26,259	17,617	9,217	2,666	16,442	16,303	13,145
East Bridgewater	17,033	20,165	12,224	7,600	15,640	43,648	30,934	31,461	61,926	65,670	37,284	76,063	946	10	22,093	26,201	5,998
Easton	1,040	5,129	22,022	23,083	28,610	33,573	17,600	21,542	19,367	19,476	18,125	46,161	3,619	22,000	20,000	16,000	16,025
Foxborough	266	-----	23,517	7,893	33,685	11,892	6,392	17,325	26,660	33,408	36,604	41,687	991	9,769	6,966	12,102	6,631
Framingham	71,224	64,243	58,086	116,902	84,782	61,042	169,984	113,644	139,026	122,737	144,869	158,436	40,116	37,243	114,353	99,616	145,969
Gloucester	33,866	42,849	42,696	105,141	211,960	116,686	97,171	61,464	130,679	122,020	111,190	99,362	108,449	104,827	102,666	124,472	94,292
Hanover	10,393	28,910	5,306	4,000	21,613	1,492	-----	7,454	8,622	6,250	16,955	4,264	696	15,717	23,129	5,970	1,086
Holbrook	18,139	24,556	19,479	13,580	17,516	16,983	24,668	8,623	5,091	40,300	26,234	23,724	3,616	275	1,081	3,931	642
Lincoln	30,451	16,781	20,731	16,969	22,926	21,829	22,162	26,076	14,326	3,394	3,184	18,066	1,960	7,426	7,536	8,006	6,636
Lynnfield	22,535	23,366	5,466	865	284	2,601	-----	6,710	17,890	42,114	29,135	36,432	2,912	2,032	2,906	17,037	20,066
Manchester	5,276	16,667	4,274	12,520	11,799	160	3,743	606	6,600	13,052	10,212	16,522	2,919	-----	5,919	37,976	39,896
Mansfield	1,499	22,135	599	6,200	2,045	16,829	13,976	14,582	28,613	16,269	19,697	33,644	739	4,273	2,000	9,791	17,600
Marblehead	20,956	60,306	23,607	20,756	25,766	22,639	16,332	23,238	43,624	112,703	69,492	137,879	7,179	26,040	134,793	140,359	51,938
Maynard	4,831	13,924	35,763	43,467	61,356	46,923	30,634	3,131	40,648	32,796	3,476	3,130	-----	-----	9,967	39,320	20,508
Medfield	4,685	4,496	270	3,816	12,463	22,348	24,290	31,997	16,748	19,621	19,412	2,986	1,416	299	266	6,376	3,337
Natick	2,886	21,635	31,327	56,802	64,893	65,751	92,203	76,056	68,416	86,396	112,272	78,125	33,263	10,725	26,946	64,032	29,074
Norwell	16,465	13,771	11,967	5,124	8,195	3,760	22,444	6,047	-----	506	-----	-----	-----	250	-----	375	2,706
Peabody	203,555	15,842	-----	------	19,099	27,458	33,604	45,649	67,366	46,161	6,274	4,126	1,054	21	110,962	59,967	100,662
Randolph	26,331	7,562	1,000	3,416	46,206	17,774	17,660	12,622	53,433	42,186	19,162	24,038	7,136	-----	3,863	5,518	6,345
Rockland	14,699	24,019	30,229	1,293	43,965	34,273	34,964	7,411	18,655	26,090	16,691	42,906	17,764	66,077	45,867	32,009	73,273
Rockport	4,608	7,400	816	17,616	21,009	23,561	43,720	52,964	4,264	4,070	66,300	30,063	2,633	1,900	4,280	19,299	6,253
Salem	175,552	226,862	71,939	64,669	248,651	266,699	90,361	129,733	248,831	271,643	170,230	266,494	116,167	110,650	101,837	67,577	74,490
Scituate	10,520	14,810	16,643	78,503	32,767	44,173	71,069	69,906	25,751	64,742	102,685	60,936	3,266	1,850	50,053	26,528	52,644
Sharon	7,039	20,002	11,987	23,657	13,997	28,151	31,098	26,732	21,703	25,013	40,449	39,497	10,912	40	6,467	7,289	12,664
Sudbury	10,045	8,240	8,194	23,982	8,763	9,325	6,136	26,655	16,552	14,621	12,314	-----	95	-----	7,497	935	1,571
Wayland	4,966	5,440	5,599	2,039	6,819	29,544	7,899	1,752	37,714	27,350	13,857	36,513	38,535	24,510	20,333	26,586	23,647
West Bridgewater	527	44,854	29,672	1,066	36,600	23,107	42,845	16,841	4,651	16,159	21,318	12,123	3,944	12,094	13,211	11,605	18,338
Whitman	4,729	11,593	16,743	14,018	17,192	36,596	13,358	8,160	9,304	9,582	19,676	20,043	16,710	5,327	9,799	27,301	27,186
Wilmington	3,006	6,077	6,359	13,636	7,987	7,911	12,000	24,869	10,135	10,476	16,616	16,873	12,712	7,276	6,014	6,579	4,437
ZONE C - TOTAL	$1,013,162	$1,096,939	$1,269,221	$1,152,767	$1,419,927	$1,376,418	$1,290,672	$1,266,172	$1,545,440	$1,788,407	$1,679,469	$1,781,016	$ 805,180	$ 556,867	$1,214,783	$1,314,286	$1,211,269
ZONE D - TOTAL	$1,362,579	$1,636,753	$1,592,617	$1,677,218	$1,987,724	$2,475,481	$2,303,681	$1,964,925	$2,248,167	$2,649,082	$2,975,158	$2,920,699	$1,033,017	$ 851,338	$1,102,308	$1,275,386	$1,068,516

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 12B

LOCAL EXPENDITURES FOR HIGHWAY CONSTRUCTION (1920-1936)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$ 17,756	$ 36,130	$ 35,716	$ 15,562	$ 14,632	$ 21,906	$ 14,896	$ 42,063	$ 17,699	$ 13,313	$ 17,250	$ 21,673	$ 14,666	$ 8,073	$ 7,607	$ 9,884	$ 1,719
Andover	62,828	76,197	121,976	114,693	42,948	60,368	38,596	13,628	88,190	143,045	124,800	37,686	14,043	13,879	24,633	47,009	37,139
Ashland	8,166	32,895	8,887	------	7,401	4,496	29,426	7,842	8,358	11,982	17,955	16,561	9,141	2,999	6,815	14,046	3,667
Attleboro	129,551	105,814	44,180	11,772	13,096	75,272	10,890	18,243	81,432	40,498	61,720	130,445	57,115	12,427	21,832	38,136	69,039
Ayer	37,745	12,296	16,782	31,000	11,941	10,098	3,299	27,049	15,563	4,925	38,001	22,245	9,301	10,769	16,361	16,544	16,060
Bellingham	2,942	3,572	1,786	8,515	26,925	36,106	19,184	27,179	26,747	17,694	16,373	8,586	644	4,949	1,876	1,542	7,468
Berlin	-----	300	10,500	11,000	11,891	12,969	16,099	16,093	18,691	17,057	28,746	11,226	16,786	7,106	21,133	14,032	6,266
Billerica	7,146	29,641	6,346	43,879	29,313	83,613	61,339	38,875	69,308	23,213	24,644	30,636	32,174	33,933	44,069	25,818	27,418
Bolton	4,321	2,453	1,910	1,500	2,500	346	9,837	23,294	26,957	37,902	11,400	10,398	12,686	21,446	21,654	13,361	9,449
Boxborough	638	2,155	1,826	1,600	2,400	3,000	1,500	4,346	4,362	5,301	3,848	4,300	6,041	2,500	5,210	6,073	1,360
Carlisle	331	1,500	1,506	95	1,610	2,879	5,118	14,647	19,718	25,733	8,840	17,539	2,473	7,747	3,399	6,918	2,886
Chelmsford	61,654	48,375	47,740	40,767	38,635	18,840	39,357	19,922	13,061	19,788	36,960	28,066	17,817	12,072	37,401	13,816	5,707
Dracut	21,198	36,672	18,173	14,884	8,349	24,806	17,291	47,928	21,069	22,726	12,082	3,601	786	8,999	12,038	9,611	3,198
Dunstable	4,714	5,954	5,302	6,254	5,399	----	-----	-----	-----	5,176	6,025	4,999	5,800	6,949	6,000	6,280	304
Duxbury	44,111	11,682	5,000	13,801	30,451	22,496	23,268	39,191	26,112	40,616	33	28,066	2,604	3,621	624	9,486	5,434
Essex	-----	-----	24,524	128	12,301	3,360	548	136	441	86,490	17,786	163	360	-----	995	280	1,017
Franklin	11,674	12,670	14,068	24,728	19,352	34,996	28,618	24,664	37,946	22,750	63,838	47,385	36,806	19,899	28,488	33,113	29,263
Georgetown	9,115	5,937	8,089	6,475	6,000	6,081	10,842	8,038	25,833	48,164	38,638	56,984	16,642	4,809	6,766	14,479	2,990
Groton	40,057	-----	-----	-----	17,994	73,491	29,198	16,497	16,886	41,631	67,128	29,372	11,026	20,017	210	14,601	11,221
Groveland	6,573	-----	----	1,000	15,520	63,728	100	35,640	42,414	3,642	1,496	12,056	392	-----	-----	3,749	5,245
Halifax	12,098	-----	365	903	735	12,711	-----	2,281	31,249	14,436	51,451	36,991	19,286	514	21,056	17,711	10,267
Hamilton	5,198	3,490	3,445	4,259	-----	20,360	35,532	28,758	31,324	23,428	54,466	64,217	16,604	5,764	3,789	18,501	19,787
Hanson	5,989	4,719	12,000	6,834	12,650	6,163	22,972	23,511	32,365	29,666	32,322	29,757	25,516	61	1,261	2,250	4,265
Harvard	14,932	15,365	13,660	13,843	16,186	27,571	5,218	45,876	11,118	-----	42,696	21,173	28,118	1,294	4,491	1,931	8,829
Haverhill	25,237	119,659	87,433	103,147	239,306	311,716	385,394	102,427	108,444	70,543	190,743	116,610	169	105,092	88,838	83,850	106,601
Holliston	7,240	5,864	14,840	7,066	9,292	9,103	1,595	2,786	6,855	13,780	14,505	33,884	4,213	-----	23,514	8,236	17,398
Hopedale	4,417	18,169	53,386	15,773	20,376	6,300	4,101	2,478	4,648	9,537	2,133	960	1,998	2,836	2,962	706	4,000
Hopkinton	9,049	9,020	11,617	14,280	12,503	12,725	18,708	10,376	11,992	16,999	10,000	9,998	10,153	12,016	14,217	3,990	1,440
Hudson	9,480	21,566	11,425	3,483	24,652	12,603	9,013	22,190	18,919	34,750	70,318	8,945	11,586	70,675	67,687	32,005	34,824
Ipswich	5,728	12,853	3,190	3,995	11,704	16,989	64,645	64,621	6,932	1,441	2,020	21,123	6,276	6,176	20,253	23,976	17,331
Kingston	13,479	14,593	890	17,846	16,477	22,710	22,451	29,264	29,516	36,935	6,037	19,279	1,155	6,021	20,683	20,133	15,199
Lawrence	218,462	221,671	176,622	167,163	306,297	367,884	223,763	49,068	325,100	319,969	425,887	567,656	72,811	12,945	17,888	83,925	105,393
Littleton	5,597	12,082	6,728	7,649	6,302	6,130	7,633	5,288	9,558	8,391	6,863	6,159	6,053	10,548	42,194	8,700	5,631
Lowell	252,964	357,189	390,731	397,099	462,299	381,223	346,061	359,184	467,084	488,130	411,312	393,836	49,852	42,482	114,159	240,902	150,685
Marlborough	37,490	11,706	38,863	92,963	63,085	98,659	61,665	134,120	24,695	123,041	109,756	95,444	9,910	17,890	42,493	32,823	45,641
Marshfield	17,373	26,192	6,585	1,137	3,584	17,936	34,426	30,000	739	51,006	29,219	50,516	1,352	19,678	4,867	13,419	7,400
Medway	5,592	9,266	10,556	10,677	15,095	17,671	15,956	38,705	41,501	46,855	35,270	44,204	10,534	5,436	3,224	4,673	6,725
Mendon	-----	1,324	2,175	1,816	2,500	2,678	11,982	16,539	7,809	4,321	10,464	6,240	4,308	9,843	13,020	12,845	12,616
Merrimac	1,006	630	3,940	14,121	5,289	17,686	7,487	3,873	1,298	1,895	26,621	6,484	979	7,591	-----	18,972	6,321
Methuen	29,051	44,235	44,979	56,043	16,721	149,938	43,498	54,406	64,497	42,546	69,326	64,750	60,331	17,105	6,470	7,694	36,328
Middleborough	8,699	830	5,342	33,197	41,858	25,270	61,045	39,065	18,040	6,201	28,769	36,545	33,820	6,529	1,206	6,740	6,645
Middleton	11,135	2,041	40,000	310	823	420	1,676	1,170	6,085	12,025	14,605	5,096	1,306	337	910	20,613	7,406
Milford	5,908	7,847	23,011	39,479	30,035	31,695	20,964	37,384	17,445	140,520	68,522	31,104	38,648	29,863	26,074	62,083	45,934
Millis	14,234	14,192	12,226	12,072	7,430	34,376	31,345	42,881	39,709	29,623	35,791	39,507	19,538	4,712	2,195	5,174	1,766
Newbury	-----	-----	35,360	-----	13,783	7,270	10,692	10,503	10,436	14,983	14,787	11,192	17,934	837	3,135	11,066	6,926
Norfolk	4,442	9,367	12,279	11,500	10,441	14,662	23,296	20,602	18,781	17,406	19,070	18,035	6,786	3,341	1,615	4,078	2,105
North Andover	13,866	22,507	12,946	16,567	20,598	16,037	2,235	3,600	10,427	19,933	8,058	17,007	-----	300	6,472	18,605	13,460
North Attleborough	2,643	8,119	420	12,282	13,625	12,068	12,491	18,912	39,422	31,411	98,401	36,334	9,140	6,879	17,673	4,586	14,984
Northborough	-----	-----	11,222	25,892	21,883	13,581	1,060	4,958	-----	-----	249	6,243	10,040	-----	394	404	2,764
North Reading	2,028	3,160	-----	7,007	3,598	1,155	9,336	12,435	2,973	16,390	12,494	10,595	5,994	6,998	9,000	7,836	10,492
Norton	-----	-----	-----	1,450	3,760	2,536	4,602	2,485	9,534	13,622	35,926	16,161	6,100	-----	2,600	1,358	3,025
Pembroke	16,286	40,166	4,610	13,614	16,172	23,336	30,765	24,621	44,039	57,506	33,586	29,196	12,492	8,269	3,015	8,633	3,616
Plainville	-----	79	3,128	1,977	1,550	500	907	1,993	1,145	1,098	2,160	16,171	14,567	745	-----	2,361	2,629
Plympton	33,996	7,000	8,263	1,706	12,907	5,522	24,931	33,436	30,524	7,056	7,373	37,037	15,323	-----	2,567	2,970	1,571
Reynham	7,257	268	8,993	13,434	1,042	300	29,972	9,685	10,367	1,499	1,000	149	997	-----	-----	906	4,239
Rowley	3,300	1,600	1,268	-----	1,700	3,002	2,731	9,701	4,043	3,002	26,347	20,286	4,990	-----	2,407	669	4,695
Sherborn	10,760	8,483	4,882	8,485	12,879	7,499	10,367	13,271	6,490	33,000	36,939	39,466	34,746	37,916	33,140	41,427	3,087
Southborough	4,602	1,110	5,213	6,921	2,471	29,446	52,150	33,617	23,544	21,038	833	5,047	1,936	4,726	10,096	3,299	11,699
Stow	10,838	15,415	7,573	425	275	1,999	48,697	1,274	7,496	9,782	4,505	6,999	200	-----	-----	2,262	1,802
Taunton	24,332	101,555	59,068	117,595	114,577	70,420	116,926	110,910	111,460	103,566	104,911	148,405	112,427	94,568	89,615	50,934	6,822
Tewksbury	8,071	22,224	-----	5,178	15,776	3,500	9,799	4,327	6,381	14,126	35,441	24,687	7,086	11,276	22,887	27,366	8,410
Topsfield	6,007	12,218	-----	-----	9,274	449	4,520	656	2,783	-----	22,436	84,222	1,396	402	400	10,076	16,209
Tyngsborough	5,731	4,712	2,175	6,169	7,182	9,566	4,698	7,354	6,600	9,998	10,160	16,083	10,000	14,999	15,966	11,369	9,369
Upton	-----	1,604	-----	1,200	-----	2,867	5,600	13,230	6,656	7,864	2,217	11,230	10,667	19,996	20,032	3,283	6,676
Wenham	200	-----	-----	-----	1,436	659	15,688	23,907	-----	2,298	8,183	27,078	5,896	902	3,361	-----	1,751
Westborough	6,157	12,927	12,925	27,009	29,019	23,860	35,291	6,736	-----	37,404	62,676	63,913	9,696	1,543	5,664	4,785	698
Westford	1,059	12,879	12,609	9,969	16,814	20,668	20,168	18,364	21,956	56,761	47,394	43,107	30,469	15,177	22,636	15,299	4,919
West Newbury	491	4,508	-----	-----	6,001	15,592	15,506	16,429	12,506	10,217	9,863	15,317	982	1,800	19,273	15,300	7,109
Wrentham	3,535	10,204	27,145	13,926	5,004	669	5,644	1,012	2,402	2,339	6,381	15,463	430	19,062	19,253	16,886	16,496
ZONE D - TOTAL	$1,382,879	$1,636,753	$1,592,417	$1,677,218	$1,987,724	$2,476,481	$2,303,281	$1,964,925	$2,246,167	$2,649,082	$2,976,158	$2,920,899	$1,033,017	$851,336	$1,102,302	$1,276,366	$1,098,518

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 13

LOCAL EXPENDITURES FOR HIGHWAY MAINTENANCE, (1920 - 1936)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$4,465,667	$3,932,801	$3,421,186	$3,668,377	$4,096,180	$3,066,276	$4,163,786	$4,466,641	$4,211,996	$4,706,792	$3,978,648	$3,637,445	$3,165,269	$3,468,457	$4,317,490	$4,040,931	
ZONE B																	
Arlington	$100,287	$ 85,985	$ 95,764	$115,165	$113,804	$133,136	$141,695	$156,743	$123,566	$149,539	$141,828	$156,466	$116,907	$167,023	$146,993	$161,178	$174,321
Belmont	63,302	76,435	70,905	89,447	107,470	94,626	85,065	84,540	106,226	117,621	125,039	116,849	106,737	106,399	111,334	112,737	115,126
Braintree	73,679	75,253	64,996	69,927	80,700	78,820	107,660	94,826	63,348	99,153	96,366	93,854	71,366	84,065	85,667	84,539	84,470
Brookline	320,988	328,635	304,366	330,879	289,320	338,665	456,221	430,637	378,421	343,419	342,306	320,137	336,406	347,028	368,634	382,366	323,134
Cambridge	354,545	352,598	367,300	371,181	422,641	509,695	499,104	449,942	472,461	454,036	426,230	281,734	436,560	356,691	382,758	413,560	417,576
Canton	44,991	51,466	46,359	42,929	44,013	47,594	57,977	54,437	54,261	56,556	55,054	51,650	47,196	28,930	32,467	43,321	49,513
Chelsea	90,303	98,070	96,300	120,608	156,756	179,256	176,770	165,045	283,060	183,290	165,813	187,013	133,223	132,869	145,611	179,992	161,331
Cohasset	56,574	45,838	49,668	54,873	46,137	62,566	65,192	48,782	51,191	55,616	62,804	76,543	56,757	57,392	56,946	56,233	59,323
Dedham	60,433	51,018	66,471	64,892	65,706	75,998	82,452	68,623	88,708	80,722	91,940	90,061	90,244	69,865	65,999	76,515	80,711
Dover	18,218	16,540	20,061	22,499	19,865	20,562	24,603	20,095	19,265	20,635	23,438	22,189	21,617	19,486	21,284	16,582	16,324
Everett	91,152	83,348	87,520	102,245	103,933	101,796	121,910	126,358	120,882	134,624	150,950	168,442	131,309	121,690	128,458	147,003	147,922
Hingham	61,195	50,278	49,676	61,193	64,134	62,501	89,235	61,660	67,261	74,025	61,856	60,552	59,501	58,475	66,231	62,728	
Hull	56,955	62,072	63,007	75,965	77,743	72,153	86,986	62,297	62,757	85,869	99,798	104,881	86,013	84,923	94,323	96,280	95,504
Lexington	55,182	64,690	69,854	73,051	67,721	66,691	89,618	87,483	94,241	95,101	108,103	94,657	70,886	79,655	89,526	93,519	93,413
Lynn	313,809	280,750	313,631	323,959	308,891	347,447	322,076	371,800	338,668	397,575	362,271	358,040	309,749	256,128	260,985	289,787	301,275
Malden	169,495	153,016	148,277	173,931	174,441	159,787	180,651	182,381	186,746	195,906	201,214	200,573	184,003	151,994	169,245	196,247	197,302
Medford	101,565	109,603	109,909	111,063	123,904	129,045	147,316	171,186	168,062	190,816	186,246	185,256	182,328	167,920	185,966	202,300	214,312
Melrose	69,472	103,084	96,455	87,077	76,773	100,808	130,179	101,686	90,500	104,767	86,892	86,520	78,944	73,277	83,895	104,065	98,507
Milton	69,071	83,222	75,807	88,537	83,195	86,785	102,933	92,938	118,550	112,173	111,336	119,095	106,176	92,460	105,760	106,727	110,706
Nahant	36,275	35,540	32,403	31,808	32,413	30,176	36,325	31,477	33,508	30,231	27,504	32,987	27,454	32,077	34,278	34,402	32,050
Needham	55,055	40,053	39,930	64,466	72,181	77,843	82,424	76,061	82,603	70,402	68,564	64,475	64,567	62,659	63,629	65,140	65,351
Newton	373,459	366,304	454,466	475,906	452,667	436,491	581,188	533,386	567,056	671,343	759,265	666,560	649,428	445,647	519,046	576,403	572,967
Norwood	47,470	48,315	46,102	53,295	59,487	57,638	64,842	61,575	68,957	73,054	78,542	58,591	64,387	79,189	79,188	65,556	78,038
Quincy	225,432	223,902	241,111	249,158	241,782	276,980	330,692	304,645	321,251	357,031	360,178	346,102	332,989	300,456	346,573	375,517	355,786
Reading	39,561	49,001	50,431	57,449	67,077	57,498	74,162	72,864	66,841	57,461	57,765	57,200	55,903	56,825	56,774	54,710	68,587
Revere	54,881	73,295	44,486	66,361	82,614	90,056	92,027	100,134	93,845	68,362	103,938	112,098	77,899	58,258	74,776	97,955	84,400
Saugus	36,185	33,263	31,774	39,820	40,901	38,990	51,987	49,387	45,212	48,942	43,957	46,024	45,059	31,704	49,627	47,857	52,414
Somerville	190,611	188,625	189,122	191,443	218,930	206,319	221,081	244,801	225,443	238,355	280,468	371,502	362,495	280,020	343,135	294,324	356,282
Stoneham	28,789	26,787	30,957	34,726	43,928	62,116	67,517	71,661	72,156	76,035	84,767	76,751	69,761	56,251	61,884	61,655	64,060
Stoughton	30,752	27,139	35,981	34,523	38,001	32,680	46,085	45,328	56,786	51,291	53,105	37,928	32,089	25,443	22,331	28,377	28,790
Swampscott	75,807	60,860	63,996	78,938	68,541	64,886	91,024	82,367	84,656	87,294	86,999	93,471	86,338	77,450	91,922	99,176	93,362
Wakefield	47,504	55,365	57,116	54,677	86,232	96,271	124,836	93,134	68,673	79,199	104,743	77,025	76,268	58,413	60,300	62,259	65,665
Walpole	42,035	51,197	45,699	54,250	63,800	71,544	67,097	63,881	64,113	69,525	65,781	62,504	61,897	55,656	62,084	64,588	65,320
Waltham	130,554	144,066	141,519	138,559	145,600	157,564	196,866	169,461	179,439	210,300	202,492	168,131	125,191	109,366	117,076	178,002	156,345
Watertown	98,493	88,159	77,979	98,177	119,504	116,299	144,176	140,746	146,671	161,597	168,311	176,495	159,608	117,798	148,541	154,790	132,629
Wellesley	57,867	86,648	54,185	69,697	84,802	88,666	94,287	85,082	99,403	124,583	76,601	99,282	101,149	103,339	129,637	126,566	111,527
Weston	49,901	43,238	38,083	36,516	41,813	37,502	43,654	40,845	43,394	45,492	48,197	43,190	39,702	43,035	45,284	47,280	45,207
Westwood	17,914	16,578	17,519	21,559	22,622	26,256	26,799	28,966	22,520	29,574	22,568	21,351	20,724	16,326	22,504	22,897	19,613
Weymouth	96,126	78,201	74,465	80,061	86,367	102,620	130,597	141,993	141,056	153,541	157,686	156,981	140,663	136,589	158,066	119,662	132,303
Winchester	75,563	75,119	70,747	60,657	101,373	84,701	114,194	105,947	69,699	90,182	98,796	104,863	69,647	75,729	106,811	103,083	96,469
Winthrop	45,263	36,687	46,085	46,014	41,197	40,328	46,199	44,239	40,840	44,101	52,186	63,543	55,826	56,687	54,637	61,291	59,921
Woburn	50,113	38,729	44,359	56,746	51,964	64,323	71,942	70,640	79,292	78,959	81,685	90,599	67,629	100,453	93,404	102,991	99,856
ZONE B - TOTAL	$4,107,354	$4,056,923	$4,127,067	$4,523,639	$4,669,425	$4,977,462	$5,771,671	$5,554,694	$5,669,606	$5,901,596	$6,052,826	$5,966,717	$5,452,160	$4,706,976	$5,367,715	$5,716,031	$5,644,335
TOTALS - (ZONES A & B)	$8,593,041	$7,989,724	$7,548,253	$8,192,016	$8,765,605	$8,043,738	$9,935,457	$10,010,335	$9,881,604	$10,606,388	$10,031,473	$9,604,162	$8,617,429	$7,988,904	$9,685,205	$10,033,521	$9,685,266
ZONE C																	
Abington	$ 28,262	$ 27,346	$ 28,151	$ 27,703	$ 32,080	$ 30,046	$ 45,537	$ 42,618	$ 46,161	$ 44,981	$ 49,520	$ 48,191	$ 32,568	$ 26,699	$ 34,561	$ 36,831	$ 33,537
Avon	4,945	4,832	4,997	5,960	6,041	7,955	10,718	9,695	9,546	9,635	10,176	8,960	7,031	7,358	10,078	7,223	6,450
Bedford	13,561	15,339	15,761	16,926	15,413	14,866	20,567	18,525	16,900	16,712	21,076	20,612	23,303	19,172	25,918	27,158	25,375
Beverly	145,136	141,970	140,232	152,182	138,550	143,415	177,104	173,327	176,236	185,936	185,177	162,041	176,641	178,009	186,929	196,818	188,757
Bridgewater	21,773	21,492	21,566	24,645	23,630	25,067	28,518	29,303	27,260	27,262	27,466	27,377	22,436	21,517	26,137	22,707	22,227
Brockton	216,214	206,211	177,766	200,167	244,461	246,988	264,159	257,578	272,973	296,443	323,830	311,654	236,233	196,009	223,095	257,446	257,651
Burlington	8,063	7,950	6,793	11,067	10,295	10,847	14,309	14,973	16,626	17,146	17,952	24,107	22,437	21,415	24,866	27,066	26,751
Concord	59,114	67,262	57,310	52,974	49,321	57,572	63,726	68,521	60,654	66,835	61,526	70,059	59,226	57,040	59,700	67,220	63,292
Danvers	51,476	50,371	47,247	66,690	67,800	69,054	73,194	74,025	64,365	68,464	72,059	73,919	64,754	51,866	62,621	61,447	58,380
East Bridgewater	21,451	25,051	23,758	22,694	24,903	21,821	36,980	28,816	26,075	38,231	25,144	36,330	23,040	19,082	25,276	29,099	28,327
Easton	25,319	28,534	19,927	26,436	30,194	31,002	31,069	31,032	30,440	30,674	34,536	42,819	36,153	22,448	26,623	32,944	29,379
Foxborough	16,854	19,179	16,668	17,814	18,498	21,006	30,505	24,639	29,355	48,386	52,457	45,246	34,899	38,943	34,103	32,561	30,264
Framingham	100,229	96,806	93,955	126,053	127,516	118,727	182,665	142,552	126,751	133,099	139,676	136,878	106,756	96,327	102,913	111,954	111,350
Gloucester	126,096	116,916	108,963	123,429	110,914	116,002	145,123	148,203	142,687	153,197	120,492	126,451	112,589	103,183	136,904	143,642	141,265
Hanover	19,639	20,718	16,773	23,636	24,729	26,992	34,616	33,123	24,628	30,033	23,049	20,476	17,426	11,693	14,147	11,646	16,006
Holbrook	16,556	18,608	17,350	12,046	16,106	16,039	28,826	16,376	22,086	17,577	16,989	17,586	15,602	14,577	16,331	17,176	17,280
Lincoln	23,027	18,297	15,945	23,687	20,690	20,677	19,402	17,879	19,494	23,586	26,672	17,506	27,754	20,389	24,294	21,716	22,249
Lynnfield	11,682	11,519	11,639	13,610	14,377	12,047	15,989	16,377	15,519	17,708	15,541	13,654	12,663	13,208	14,376	12,951	12,166
Manchester	50,225	49,230	37,493	44,754	34,770	36,233	45,441	38,434	39,589	38,727	41,432	54,741	44,086	44,076	52,333	56,368	54,636
Mansfield	30,922	34,308	26,190	36,762	37,701	42,380	52,758	53,422	47,244	60,829	44,904	51,041	44,410	31,673	35,527	44,276	45,195
Marblehead	71,946	69,207	46,459	61,634	79,924	77,391	65,591	64,112	74,416	70,719	66,063	70,274	76,472	74,616	66,514	68,030	77,449
Maynard	20,807	22,199	23,772	26,736	27,054	29,952	39,346	39,072	33,467	30,188	42,307	40,651	30,277	25,360	31,635	36,853	38,150
Medfield	17,485	16,265	14,726	16,662	19,132	16,256	29,661	24,109	24,941	27,823	28,544	23,244	22,766	22,298	22,240	25,607	22,230
Natick	56,690	64,633	53,061	60,111	61,679	69,239	60,358	79,054	83,636	68,954	68,612	91,619	74,494	61,964	76,778	92,582	83,215
Norwell	16,038	17,624	12,676	16,431	14,967	16,044	24,548	19,166	16,754	19,692	19,989	21,042	19,469	19,826	21,046	23,173	21,966
Peabody	65,563	56,518	55,251	76,635	71,110	66,407	93,119	69,827	76,691	79,854	60,780	99,383	72,635	71,143	79,623	99,627	93,669
Randolph	20,997	21,998	11,282	16,623	16,797	16,066	25,023	24,029	24,096	22,401	25,544	24,413	24,894	23,046	30,406	33,703	37,656
Rockland	34,527	50,232	37,904	44,661	55,039	47,563	54,923	58,849	3,875	40,894	39,393	37,096	23,457	27,111	40,009	40,434	49,530
Rockport	19,628	17,659	20,050	22,283	26,361	19,283	26,724	29,619	33,989	26,727	30,090	24,943	19,647	20,166	19,610	23,207	21,611
Salem	192,225	177,432	169,766	195,440	186,876	176,383	192,237	190,220	203,316	201,476	226,060	255,517	200,769	202,549	209,912	186,565	181,840
Scituate	56,169	56,525	56,081	45,696	56,056	56,203	72,693	62,693	64,360	69,240	68,674	62,756	76,655	72,616	66,633	63,961	68,661
Sharon	24,689	20,721	22,144	25,773	28,454	27,627	37,360	30,235	32,473	38,922	40,639	44,023	39,776	5,060	33,308	32,736	33,486
Sudbury	16,192	12,553	13,002	9,874	16,665	17,601	19,600	17,743	16,162	20,396	20,640	28,903	26,324	26,766	26,246	29,792	26,628
Wayland	26,647	22,773	23,820	26,891	26,076	28,732	27,706	30,494	26,629	33,040	32,974	35,015	36,861	33,086	34,646	35,712	33,963
West Bridgewater	7,623	5,175	5,408	7,433	12,134	13,932	19,026	16,694	19,447	20,867	21,363	30,617	15,641	17,941	17,892	16,217	16,128
Whitman	30,154	35,402	30,854	33,990	36,504	41,509	72,106	63,583	56,062	53,450	43,657	43,666	36,342	31,148	36,437	41,312	34,007
Wilmington	16,523	19,275	21,236	23,031	26,573	26,579	36,120	30,599	33,032	33,525	34,807	30,323	24,366	24,799	24,043	27,436	27,500
ZONE C - TOTAL	$1,689,269	$1,654,011	$1,530,204	$1,739,730	$1,777,433	$1,815,307	$2,203,626	$2,131,716	$2,046,740	$2,207,911	$2,228,610	$2,314,127	$1,961,106	$1,773,256	$1,976,245	$2,119,674	$2,056,906
ZONE D - TOTAL	$2,344,400	$2,329,309	$2,477,060	$2,780,761	$2,863,951	$2,913,544	$3,553,163	$3,098,063	$2,967,508	$3,026,842	$3,206,649	$3,107,235	$2,747,055	$2,759,951	$3,164,007	$3,170,950	$2,946,782

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 138

LOCAL EXPENDITURES FOR HIGHWAY MAINTENANCE, (1920 - 1938)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$ 17,609	$ 20,473	$ 19,635	$ 22,577	$ 22,240	$ 23,309	$ 28,204	$ 27,886	$ 23,384	$ 26,040	$ 29,812	$ 30,643	$ 26,930	$ 27,699	$ 32,774	$ 34,492	$ 32,328
Andover	45,678	41,066	49,853	56,821	59,782	56,513	76,622	65,940	81,076	76,859	85,244	96,666	82,165	94,880	127,204	113,051	99,172
Ashland	14,920	12,861	10,319	15,762	14,413	15,420	22,064	21,671	17,565	19,741	16,677	16,621	23,069	19,623	24,090	22,566	24,983
Attleboro	97,343	90,039	79,651	80,212	93,178	88,676	109,119	78,495	61,693	68,797	84,076	75,876	60,229	56,060	66,443	52,143	51,763
Ayer	14,211	15,313	14,045	14,991	13,782	14,788	17,921	16,267	12,626	19,633	26,997	20,311	17,232	17,611	19,301	19,310	23,858
Bellingham	8,462	14,305	13,586	15,456	14,413	15,706	23,668	16,836	21,297	24,321	19,713	16,739	23,753	16,990	24,512	24,377	18,985
Berlin	9,582	9,738	6,405	7,831	8,276	7,947	9,478	10,067	10,023	14,624	14,405	17,035	16,360	17,307	18,106	20,962	19,642
Billerica	39,901	34,383	35,027	42,438	44,236	56,859	68,528	64,991	56,954	63,436	66,543	56,063	48,411	49,172	53,552	57,175	56,349
Bolton	7,303	6,628	6,358	8,444	8,241	11,025	15,696	14,991	12,362	12,076	12,086	13,970	11,985	12,126	16,178	16,646	17,286
Boxborough	4,062	2,659	2,769	4,680	4,862	5,063	7,300	6,270	5,936	6,086	6,526	6,495	5,749	6,034	8,535	8,032	7,296
Carlisle	6,909	5,353	5,513	9,074	8,667	7,187	11,492	11,135	11,681	15,035	16,976	17,884	17,638	14,015	22,027	20,790	16,333
Chelmsford	28,157	31,642	34,330	40,404	54,543	48,936	57,109	54,713	54,660	55,379	63,902	50,535	51,159	36,925	46,173	46,036	50,141
Dracut	18,444	19,634	26,513	21,906	17,607	21,218	30,608	27,247	28,298	29,553	37,186	25,451	20,475	31,215	44,896	53,690	52,076
Dunstable	4,596	3,960	4,243	7,213	6,634	10,647	13,666	11,779	11,732	11,145	11,149	12,302	12,354	12,324	15,073	14,668	18,102
Duxbury	14,467	12,496	17,170	19,089	19,707	27,332	36,367	33,783	34,538	35,396	33,803	34,107	31,165	26,066	29,063	28,022	31,350
Essex	11,949	11,016	12,356	16,765	11,366	11,833	16,204	13,764	11,077	9,006	9,663	10,635	8,596	6,999	14,261	17,739	12,418
Franklin	29,211	35,989	31,957	33,715	43,996	40,761	66,145	56,515	41,186	47,628	52,697	54,164	49,208	34,474	34,186	36,105	38,950
Georgetown	8,191	4,702	4,424	11,176	8,776	10,846	18,195	11,978	10,992	11,203	10,868	11,528	11,420	11,486	17,279	24,457	17,261
Groton	19,366	14,260	14,248	16,566	15,267	17,708	20,664	25,345	25,068	26,243	34,645	39,098	45,346	41,167	36,165	43,593	39,933
Groveland	8,461	8,606	12,689	16,584	14,016	14,074	18,817	15,271	16,172	15,730	15,740	14,174	13,756	14,141	16,972	16,710	16,896
Halifax	3,222	5,945	4,842	6,927	7,093	7,620	10,771	12,867	12,099	11,917	14,860	13,235	11,113	11,147	13,084	12,961	13,373
Hamilton	27,211	22,630	22,293	35,676	32,356	34,456	44,137	38,487	30,323	32,630	33,475	35,456	25,133	36,352	42,597	42,432	30,545
Hanson	15,658	11,046	11,971	14,993	21,926	12,299	21,359	16,452	16,632	16,996	16,603	18,929	19,218	16,972	21,204	23,548	24,496
Harvard	17,109	14,223	14,024	16,157	18,203	17,850	24,818	19,724	20,822	23,025	23,167	10,966	20,376	25,079	25,778	27,029	26,723
Haverhill	221,123	204,977	196,076	226,920	224,610	207,167	229,162	196,704	186,309	218,616	199,455	225,937	186,211	161,143	177,368	169,501	162,651
Holliston	15,794	15,003	17,074	17,803	17,116	20,235	25,962	23,626	17,256	25,701	27,086	27,444	24,103	23,588	29,236	32,143	29,187
Hopedale	24,091	16,219	13,793	22,925	20,767	32,731	25,217	22,318	16,276	22,287	16,336	16,391	14,986	12,009	16,629	17,812	17,979
Hopkinton	23,947	19,783	14,160	19,716	18,555	18,399	24,901	26,671	27,627	22,614	32,038	32,859	29,551	23,834	30,707	33,681	32,216
Hudson	35,244	34,137	41,375	44,436	45,559	44,362	56,083	57,726	48,963	47,485	49,894	51,791	45,455	31,497	45,372	46,469	44,147
Ipswich	41,139	45,114	44,419	61,364	43,153	40,094	56,214	45,650	40,841	41,341	49,652	42,361	34,573	36,573	57,727	60,457	47,389
Kingston	11,603	11,656	9,734	9,714	10,592	8,925	12,973	16,334	15,603	15,966	15,561	14,697	8,596	9,596	8,666	10,766	11,609
Lawrence	284,798	311,623	265,671	361,407	336,957	375,297	443,694	426,611	391,346	344,737	341,460	368,963	294,604	337,422	421,016	391,411	336,827
Littleton	10,029	11,506	9,842	12,656	14,034	14,933	19,518	19,419	16,513	16,332	20,370	17,896	17,114	16,776	21,707	21,320	21,662
Lowell	365,216	329,196	547,830	488,502	531,242	504,417	560,140	402,140	391,181	367,842	387,291	316,070	361,766	447,277	401,399	430,921	353,786
Marlborough	65,875	57,836	60,269	69,118	79,227	82,383	111,366	104,350	88,509	110,276	112,779	106,683	88,496	92,367	87,997	87,254	72,576
Marshfield	29,793	37,850	29,936	39,656	50,036	33,795	49,122	44,796	41,325	42,742	50,699	54,232	33,523	40,817	40,588	43,505	43,027
Medway	17,686	17,627	18,806	21,139	18,356	17,955	22,136	22,491	19,268	23,628	19,912	26,869	22,069	21,526	25,096	27,361	28,066
Mendon	6,519	6,439	6,612	9,516	8,246	8,371	10,929	11,344	13,897	15,723	17,067	17,429	15,165	12,829	19,084	15,597	14,645
Merrimac	7,558	8,276	10,584	13,641	13,379	10,652	17,129	14,127	11,082	16,932	19,801	22,674	17,101	15,832	16,676	17,663	16,605
Methuen	92,811	135,110	100,857	111,853	136,303	162,180	176,636	98,695	91,466	119,260	157,760	136,290	109,986	65,176	98,158	110,498	83,418
Middleborough	41,036	47,757	37,456	39,204	50,875	63,444	60,222	62,217	63,626	69,563	63,699	60,637	41,724	39,759	36,662	40,153	32,696
Middleton	8,160	5,200	4,564	8,955	9,974	8,636	14,377	12,136	10,688	11,396	12,600	14,025	12,628	14,734	18,946	19,236	20,986
Milford	61,497	59,980	67,793	63,223	65,001	64,074	81,866	60,655	70,488	66,213	66,072	73,385	48,864	46,133	69,772	65,017	65,518
Millis	11,112	10,086	10,432	13,633	13,250	13,305	19,566	16,529	17,186	19,020	17,830	16,308	22,792	17,154	24,696	27,413	25,104
Newbury	12,285	12,623	16,389	16,659	10,946	10,710	16,665	20,033	16,691	19,103	19,543	23,032	16,290	16,410	21,406	23,331	23,361
Norfolk	13,657	10,441	11,542	14,003	15,824	14,669	20,826	17,723	19,686	21,074	20,578	16,636	18,275	19,105	22,371	21,946	18,640
North Andover	46,365	36,694	46,371	55,363	58,719	57,464	74,671	70,728	68,727	86,621	76,842	69,429	69,636	63,964	77,662	73,330	86,754
North Attleborough	54,556	47,894	47,119	43,502	43,664	42,046	50,086	46,724	48,131	44,809	46,371	50,933	37,043	26,366	35,084	48,469	43,656
Northborough	14,953	10,855	12,861	16,076	16,027	17,452	24,201	24,791	21,306	20,530	22,141	23,059	20,603	15,734	22,265	19,627	20,882
North Reading	10,141	8,199	10,222	11,742	11,674	16,572	20,543	16,734	24,574	20,251	22,366	20,649	19,461	22,473	23,594	26,146	23,546
Norton	12,610	6,766	11,176	15,125	15,014	16,706	23,517	19,963	20,274	20,961	22,471	16,389	15,602	18,919	21,559	23,257	21,196
Pembroke	12,770	9,562	9,162	13,691	16,963	12,650	25,512	14,631	15,997	15,136	16,979	16,795	17,402	16,840	21,575	19,963	16,624
Plainville	8,962	5,225	5,707	7,861	12,362	11,150	16,064	14,906	13,959	16,956	14,809	14,101	14,025	14,102	17,542	19,365	17,096
Plympton	4,965	6,082	4,947	6,095	5,427	6,867	7,906	6,167	6,365	5,476	5,676	5,746	5,704	5,973	7,293	8,106	7,897
Raynham	8,680	6,814	9,896	9,054	12,793	16,749	16,373	22,768	14,957	20,613	21,533	16,576	12,662	10,926	15,649	16,823	16,365
Rowley	8,738	7,524	6,872	11,471	8,161	8,076	12,186	11,930	10,531	12,417	13,109	12,304	11,136	11,032	14,676	13,296	14,207
Sherborn	19,294	16,477	15,269	19,897	19,647	17,495	20,760	20,154	16,876	21,161	19,186	17,396	22,012	22,361	25,636	28,297	26,227
Southborough	20,174	22,104	16,586	21,061	21,325	25,834	30,693	26,868	26,366	26,700	25,647	23,452	23,920	20,641	22,852	24,064	23,234
Stow	10,944	12,739	12,463	14,477	14,143	13,872	18,375	1,650	13,007	11,611	11,600	13,060	16,078	14,730	20,396	20,696	21,224
Taunton	119,491	141,784	127,093	126,230	145,102	171,328	184,560	173,545	178,128	177,571	198,876	197,245	122,147	116,679	124,582	120,899	122,163
Tewksbury	14,056	13,297	14,458	20,089	19,024	23,672	29,766	32,627	31,262	28,431	32,296	31,635	32,674	30,284	39,400	38,161	36,909
Topsfield	16,676	17,375	20,613	17,668	15,198	17,629	26,706	21,167	21,714	22,091	22,789	21,333	18,770	20,715	22,436	15,072	15,499
Tyngsborough	2,512	3,860	7,038	12,725	10,547	11,566	16,759	16,734	15,098	14,811	16,649	20,079	16,984	16,916	20,364	23,447	24,197
Upton	8,571	11,136	10,367	14,217	13,800	13,579	17,536	16,367	15,239	14,540	16,230	17,402	16,139	16,250	20,187	19,976	22,702
Wenham	16,465	16,026	17,666	23,258	15,663	14,222	19,503	19,207	27,826	21,499	21,966	22,823	24,866	21,246	21,222	20,946	16,433
Westborough	29,050	16,561	22,859	26,181	29,675	28,321	32,731	26,203	31,337	28,418	32,686	40,001	33,953	29,656	36,935	27,120	32,690
Westford	25,602	20,080	17,123	22,616	22,079	23,476	37,431	29,563	31,406	27,514	31,172	25,794	31,366	43,493	50,561	45,640	47,304
West Newbury	10,131	7,982	9,952	16,336	12,781	12,929	17,849	12,705	11,926	14,326	14,317	14,161	13,313	14,140	15,649	19,065	14,988
Wrentham	8,836	9,418	8,922	15,364	21,486	23,019	28,489	28,302	26,441	25,349	26,199	22,055	34,406	26,318	19,972	24,266	22,290
ZONE D - TOTAL	$2,344,400	$2,389,309	$2,477,060	$2,760,761	$2,863,961	$2,913,544	$3,553,163	$3,096,053	$2,967,502	$3,028,642	$3,206,549	$3,107,235	$2,747,066	$2,759,961	$3,164,007	$3,170,960	$2,946,769

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cen.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 14

TOTAL LOCAL HIGHWAY EXPENDITURES, (1920 - 1936)

(Sum of Tables 12 & 13)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of City or Town	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Boston	$5,610,368	$6,188,067	$5,709,749	$5,344,371	$4,650,498	$7,636,516	$9,106,367	$7,316,178	$9,089,469	$7,618,518	$9,484,587	$8,361,957	$6,505,128	$4,781,994	$4,363,101	$5,610,682	$5,143,836
ZONE B																	
Arlington	$138,454	$113,517	$146,346	$197,018	$233,461	$249,595	$269,927	$320,930	$312,770	$462,424	$287,763	$393,194	$264,226	$267,198	$305,691	$300,637	$285,854
Belmont	72,987	86,166	98,417	105,897	136,118	119,936	292,036	177,862	288,505	236,410	275,164	187,520	187,714	150,627	183,664	171,136	184,023
Braintree	85,867	95,963	89,090	75,277	107,475	175,079	193,531	330,122	152,717	230,761	252,521	189,586	150,315	66,016	143,094	135,272	118,461
Brookline	440,749	344,852	373,601	475,943	452,190	407,616	652,558	642,232	584,870	1,062,695	915,357	671,706	413,865	407,589	424,274	443,017	477,494
Cambridge	634,858	712,120	734,776	811,400	796,121	974,115	1,358,763	1,418,308	1,325,962	1,870,935	1,080,293	1,044,456	765,085	799,654	1,013,354	964,630	940,548
Canton	83,366	129,882	63,155	66,184	92,881	90,106	84,560	109,243	112,280	141,909	99,813	98,259	66,176	32,005	46,514	60,338	59,909
Chelsea	378,069	294,471	268,584	460,037	375,554	263,858	349,469	384,804	500,480	346,037	294,175	226,218	143,979	136,779	157,502	230,812	173,827
Cohasset	92,522	52,178	50,028	57,201	84,436	75,144	73,210	73,321	79,852	65,280	78,264	90,989	59,344	58,276	68,644	69,377	74,707
Dedham	83,074	90,969	100,998	102,499	113,168	147,155	161,772	200,457	275,176	211,836	193,136	185,585	120,776	80,749	154,383	133,368	150,318
Dover	27,868	25,724	26,611	30,651	24,243	38,077	38,001	38,261	24,167	25,776	49,926	40,821	23,747	20,367	22,056	29,489	21,676
Everett	162,362	161,667	157,002	257,988	215,276	245,075	227,150	347,434	407,176	357,152	432,882	186,330	131,905	126,469	139,691	150,398	341,114
Hingham	71,258	56,438	60,527	174,543	70,172	70,089	102,530	102,621	126,461	115,787	172,542	146,424	83,719	61,351	58,486	75,297	61,951
Hull	76,404	86,343	90,021	119,648	117,100	149,022	111,280	131,781	142,194	123,851	160,986	272,006	104,701	102,169	100,986	119,927	140,636
Lexington	116,157	118,055	132,695	84,232	74,174	95,669	127,871	137,714	166,372	191,108	210,280	172,595	96,803	103,393	113,689	170,849	157,335
Lynn	636,534	590,658	611,570	664,613	681,703	654,937	347,999	651,109	480,067	448,480	573,864	646,613	386,693	362,764	443,102	483,196	495,630
Malden	239,649	348,335	402,002	473,344	403,151	267,201	285,791	290,325	316,961	320,186	450,403	463,422	325,211	325,589	339,837	376,000	455,793
Medford	265,598	155,963	155,525	386,088	377,504	319,196	383,688	411,304	399,250	523,373	420,481	342,618	237,712	205,201	247,883	553,774	412,939
Melrose	181,481	165,623	165,076	116,801	94,788	163,611	237,492	199,089	177,565	212,586	225,566	216,230	138,890	125,319	116,480	162,905	146,549
Milton	115,663	108,240	115,664	150,023	171,140	116,852	155,430	186,462	214,312	230,337	293,953	314,582	180,645	123,343	171,247	165,467	164,286
Nahant	43,231	38,189	32,650	35,267	33,205	31,837	36,817	36,056	34,283	34,474	34,703	39,253	32,100	51,065	36,061	47,026	34,677
Needham	53,517	60,528	72,409	116,724	113,207	144,765	136,141	140,092	150,702	183,340	195,594	183,096	126,142	127,067	76,978	102,034	81,936
Newton	648,342	685,051	532,773	612,613	585,059	571,148	713,304	757,212	729,460	1,040,611	1,057,259	852,062	778,569	466,408	805,807	767,893	1,173,213
Norwood	70,738	83,840	79,750	79,003	131,372	91,183	206,310	125,976	162,305	127,182	173,359	149,336	95,013	82,073	117,029	234,818	152,794
Quincy	575,339	496,760	399,680	306,351	697,966	636,150	697,880	690,704	985,944	869,154	916,921	805,058	566,043	365,484	941,232	758,148	673,383
Reading	54,283	62,926	65,575	70,821	75,101	81,007	94,565	86,780	75,733	79,135	83,903	85,719	86,736	89,741	103,157	68,204	105,544
Revere,	196,180	310,573	228,883	405,218	235,547	164,152	189,648	119,314	162,083	244,590	314,914	281,126	86,837	152,369	114,231	99,389	151,160
Saugus	73,486	49,946	43,215	72,085	90,336	66,375	91,199	110,250	110,555	96,699	73,547	99,561	61,061	32,175	61,051	59,172	80,416
Somerville	311,676	336,583	322,472	342,572	341,089	515,082	446,006	470,853	416,525	1,053,609	492,910	503,959	703,114	328,263	482,819	525,085	502,992
Stoneham	47,721	37,617	36,500	39,706	50,153	58,814	73,766	75,496	83,559	172,677	197,093	122,606	92,631	93,837	114,564	117,946	85,812
Stoughton	31,557	41,300	74,803	45,877	83,207	100,282	93,462	73,523	72,144	64,515	85,216	66,277	35,512	29,436	30,240	39,467	41,304
Swampscott	91,359	108,551	100,396	101,845	80,401	145,208	157,719	129,270	107,130	151,544	144,865	113,054	96,330	81,133	95,854	116,782	113,635
Wakefield	71,513	92,115	86,577	131,334	137,769	140,428	147,802	118,904	135,125	147,149	145,633	141,487	96,563	94,535	103,416	131,844	130,185
Walpole	71,145	100,431	92,222	67,975	131,711	135,764	101,974	133,940	101,956	101,564	105,828	89,659	80,428	86,064	89,492	104,243	264,924
Waltham	254,030	387,175	263,956	230,090	257,194	242,812	404,179	390,135	493,921	379,133	296,136	201,868	172,007	120,056	153,731	323,644	266,924
Watertown	222,708	284,114	116,531	168,448	178,880	173,448	395,225	328,102	371,493	537,673	357,616	345,920	322,699	142,071	212,582	238,207	205,469
Wellesley	73,069	71,653	77,033	80,803	99,383	103,123	136,800	143,279	137,451	225,574	178,449	164,727	140,959	136,149	154,543	153,659	147,230
Weston	50,401	43,238	44,831	64,286	60,757	55,746	84,130	70,845	73,106	103,824	96,751	81,136	49,348	43,538	51,024	61,386	55,014
Westwood	35,191	31,548	40,184	51,257	51,763	61,882	75,696	89,593	67,666	55,823	72,425	80,037	39,568	22,100	25,084	36,156	26,046
Weymouth	140,453	111,771	116,617	97,639	120,288	204,773	231,815	266,106	220,338	238,833	302,316	279,272	180,500	166,118	165,117	187,322	204,001
Winchester	105,230	93,125	137,592	125,609	123,054	120,353	155,354	186,126	168,719	229,630	211,429	182,080	132,954	135,026	169,754	191,008	197,147
Winthrop	63,701	66,875	77,059	96,196	66,885	70,465	166,247	108,798	117,385	109,271	119,733	186,560	77,535	102,786	112,617	72,980	89,743
Woburn	143,255	135,455	107,049	107,522	89,178	116,312	134,286	144,376	134,831	130,676	174,975	183,145	78,710	101,393	111,078	150,466	236,980
ZONE B - TOTAL	$7,357,871	$7,245,528	$6,594,747	$8,276,545	$8,456,242	$8,659,469	$10,464,513	$11,098,146	$11,149,980	$13,544,543	$12,298,945	$11,189,496	$8,006,797	$6,620,069	$8,374,240	$9,382,907	$9,662,342
TOTAL - (ZONES A & B)	$13,168,239	$13,433,595	$12,703,756	$13,622,916	$13,106,740	$16,294,985	$19,570,880	$18,414,323	$20,239,479	$21,163,061	$21,783,532	$19,551,453	$14,511,925	$11,402,063	$12,737,341	$14,993,589	$15,026,180
ZONE C																	
Abington	$34,080	$39,353	$49,709	$39,688	$37,051	$30,576	$69,413	$43,717	$62,345	$55,538	$59,063	$70,811	$36,060	$27,233	$49,758	$69,117	$45,509
Avon	4,945	4,882	4,987	5,960	6,098	16,792	19,738	14,464	29,546	33,409	32,488	33,461	20,798	8,833	32,865	21,573	12,994
Bedford	17,184	33,675	34,103	17,289	33,489	34,813	45,443	33,219	26,911	29,545	32,467	26,464	26,103	20,634	42,446	46,244	41,187
Beverly	174,954	201,712	193,842	208,295	186,275	182,265	221,046	224,932	203,999	292,751	310,290	193,748	188,049	147,963	196,421	224,409	218,573
Bridgewater	29,072	37,025	33,274	47,159	40,021	33,286	34,767	39,061	47,553	36,803	44,354	54,007	40,459	30,434	56,428	70,350	62,077
Brockton	372,317	328,319	698,624	426,409	357,776	412,673	416,946	492,571	459,930	530,609	536,011	576,926	317,506	241,661	419,840	463,930	460,870
Burlington	8,043	14,650	13,752	22,733	18,779	21,942	24,370	26,049	36,555	44,806	44,201	42,281	44,054	37,420	44,664	40,189	46,417
Concord	100,730	68,061	97,444	114,662	89,012	93,117	92,581	75,156	65,353	116,060	125,819	109,095	86,919	92,656	83,092	92,294	94,642
Danvers	90,157	99,412	120,286	142,434	93,666	122,844	93,584	119,934	157,941	95,218	100,316	91,536	73,971	54,774	79,083	79,750	71,535
East Bridgewater	38,694	45,836	35,482	30,294	40,443	65,369	70,914	60,297	76,003	103,601	63,368	114,393	23,966	19,062	47,369	54,300	34,325
Easton	26,359	33,763	41,949	49,519	48,804	64,576	48,869	52,574	49,797	50,149	52,661	90,970	39,972	44,448	46,623	46,944	45,404
Foxborough	17,139	19,179	40,183	25,707	52,083	32,900	36,897	41,964	56,015	81,776	89,061	87,133	35,670	48,732	43,049	44,793	34,765
Framingham	171,453	181,049	152,041	242,955	212,300	199,769	312,869	256,196	264,777	255,836	283,965	294,316	148,676	133,570	217,266	211,570	257,319
Gloucester	158,962	158,767	151,659	226,570	322,874	232,690	242,294	229,687	273,366	275,217	231,682	224,813	221,138	208,010	236,790	266,314	235,577
Hanover	30,232	49,622	21,079	27,636	50,342	27,464	34,615	40,677	33,250	36,283	39,005	24,760	16,122	27,410	37,276	17,616	17,092
Holbrook	34,695	41,144	36,829	25,606	32,624	33,022	47,293	26,899	27,177	57,877	43,223	41,280	19,018	14,852	17,412	21,107	17,662
Lincoln	53,478	35,078	36,676	40,676	43,616	42,506	41,584	43,957	33,819	28,978	29,796	35,571	29,734	27,614	31,830	29,726	28,664
Lynnfield	34,217	34,505	17,105	14,475	14,661	14,546	15,989	23,087	32,809	59,622	44,676	49,286	15,775	15,840	17,262	29,988	32,232
Manchester	55,503	66,097	41,767	57,274	46,569	36,393	49,164	39,042	46,059	51,779	51,644	73,263	47,004	44,075	56,252	96,346	94,531
Mansfield	32,421	56,447	28,189	42,962	39,746	57,989	66,733	68,004	75,857	76,066	64,601	84,565	45,149	35,946	37,627	54,066	62,695
Marblehead	92,504	139,515	72,066	82,390	108,690	100,230	83,923	107,350	116,039	183,422	137,465	208,653	83,651	102,850	203,307	206,369	129,387
Maynard	25,338	36,123	59,535	69,202	78,409	76,675	69,882	42,203	74,015	62,978	45,762	43,691	30,277	25,360	41,622	76,173	58,656
Medfield	22,150	19,661	14,998	22,478	31,595	38,604	53,951	56,106	43,689	47,444	47,966	26,232	24,202	22,598	22,505	33,966	26,267
Natick	61,375	86,460	84,388	116,713	116,572	125,680	172,561	155,110	149,250	177,352	200,784	163,744	107,777	92,689	105,721	146,614	112,269
Norwell	36,703	31,396	24,563	21,555	21,162	16,604	46,990	24,213	16,754	20,097	19,989	21,042	19,469	19,775	21,066	23,546	24,668
Peabody	269,218	72,354	55,251	76,615	90,209	93,865	126,623	135,376	163,049	126,015	89,054	103,509	73,869	71,164	190,465	159,494	194,351
Randolph	49,328	26,558	12,282	20,038	65,005	35,842	42,683	36,651	77,526	64,589	44,726	49,249	32,030	23,046	34,271	39,221	44,001
Rockland	48,426	74,251	68,133	48,144	99,004	61,836	89,907	66,260	16,530	66,364	66,064	60,004	41,251	55,186	65,676	72,443	122,603
Rockport	24,436	25,089	20,866	39,799	119,370	42,644	70,444	68,763	36,253	32,797	95,390	55,006	22,480	22,055	23,730	42,506	27,664
Salem	367,877	404,314	261,727	240,129	407,527	433,082	282,586	319,953	446,946	473,313	396,260	524,011	315,946	313,109	311,749	256,165	256,330
Scituate	65,669	71,335	76,924	124,201	87,842	100,376	143,979	123,799	90,111	183,942	171,739	133,692	79,911	74,666	116,666	110,489	121,305
Sharon	71,728	40,723	34,131	49,330	42,451	53,686	68,476	56,967	54,176	63,935	80,988	63,520	50,686	5,120	39,776	40,027	48,332
Sudbury	26,237	20,793	21,196	33,836	24,446	27,126	26,738	44,696	34,704	35,217	32,974	26,903	28,419	28,765	35,745	30,727	28,199
Wayland	31,413	26,213	29,419	27,930	34,895	56,276	36,607	32,246	66,643	60,390	46,631	73,526	76,616	57,595	55,179	68,300	57,616
West Bridgewater	6,350	50,029	34,920	8,489	47,634	37,039	61,271	33,735	23,998	38,046	42,675	42,740	19,785	30,035	30,503	27,822	26,456
Whitman	34,863	46,995	49,397	46,606	53,696	76,105	85,484	65,683	67,366	63,012	63,233	63,731	52,062	36,675	46,236	66,613	61,193
Wilmington	19,528	26,352	29,597	36,667	32,660	33,490	47,120	55,466	43,167	44,001	51,422	46,596	37,077	32,077	30,057	33,017	31,937
ZONE C - TOTAL	$2,702,431	$2,750,950	$2,799,425	$2,892,457	$3,197,360	$3,190,788	$3,494,298	$3,389,668	$3,691,180	$3,996,316	$3,902,279	$4,065,148	$2,656,865	$2,330,175	$3,193,006	$3,434,159	$3,268,175
ZONE D - TOTAL	$3,706,979	$4,036,082	$4,059,677	$4,457,979	$4,851,676	$5,369,025	$6,858,444	$5,060,978	$6,215,669	$5,676,924	$6,181,707	$6,028,134	$3,780,075	$3,611,289	$4,266,309	$4,446,336	$4,045,307

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(89 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 148

TOTAL LOCAL HIGHWAY EXPENDITURES, (1920 - 1938)

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE D																	
Acton	$ 35,365	$ 56,603	$ 55,351	$ 42,139	$ 36,872	$ 45,216	$ 43,099	$ 69,949	$ 41,083	$ 39,353	$ 47,062	$ 52,216	$ 40,496	$ 35,772	$ 40,281	$ 44,378	$ 34,046
Andover	108,508	117,283	171,829	171,714	102,728	116,681	116,117	99,668	149,286	219,904	210,044	133,251	96,226	108,739	151,637	150,060	136,311
Ashland	23,086	45,756	19,206	15,762	21,814	19,916	51,490	29,513	25,923	31,723	36,632	34,182	32,230	22,622	30,908	36,634	28,650
Attleboro	226,894	195,853	123,831	91,984	106,274	161,648	120,009	94,738	163,125	129,295	155,796	206,321	117,344	66,477	86,275	90,279	120,822
Ayer	51,956	27,609	32,827	45,991	25,723	24,866	21,220	46,316	26,091	24,558	61,998	42,556	28,633	28,300	36,662	35,854	39,908
Bellingham	11,404	17,877	15,374	23,971	41,538	50,814	43,072	44,015	48,044	42,015	36,066	27,327	24,297	21,939	28,386	28,919	28,453
Berlin	9,582	10,036	16,905	18,831	20,171	20,916	25,577	28,160	26,714	31,861	41,150	20,261	32,148	24,413	39,239	34,994	27,607
Billerica	47,047	64,024	41,373	85,317	73,549	140,472	119,867	103,866	138,262	85,549	91,167	68,699	80,586	83,105	97,621	62,993	83,765
Bolton	11,624	9,081	6,268	9,944	10,741	11,371	25,533	38,275	39,319	49,976	23,486	24,366	24,670	33,572	37,832	30,207	26,734
Boxborough	4,920	4,614	4,595	5,160	7,262	6,063	8,800	10,615	10,298	11,369	10,372	10,795	10,790	6,534	13,745	13,105	8,656
Carlisle	7,240	6,853	7,016	9,169	8,177	10,066	15,610	25,762	31,397	40,768	25,818	35,423	20,111	21,762	25,426	27,706	21,218
Chelmsford	89,811	80,017	82,070	61,171	93,380	86,576	95,466	74,635	67,721	75,167	90,682	78,600	86,976	46,997	83,574	61,854	55,848
Dracut	39,642	56,306	44,886	38,792	25,956	48,025	47,699	76,173	49,367	52,279	49,250	29,052	21,260	40,214	56,842	63,401	55,274
Dunstable	9,310	9,914	9,545	12,457	11,033	10,847	13,566	11,779	11,732	16,320	16,174	17,301	18,154	19,273	20,073	20,918	18,408
Duxbury	58,598	24,178	22,170	32,890	50,158	49,830	59,655	72,974	59,650	75,911	33,836	62,173	33,789	29,707	29,577	37,507	36,784
Essex	11,949	11,015	36,860	16,913	23,669	15,213	18,762	13,900	11,518	97,496	27,448	10,988	9,984	8,999	15,256	16,019	13,435
Franklin	40,885	46,859	48,025	58,443	63,348	75,777	84,663	81,179	79,132	70,378	116,536	101,549	66,068	64,373	82,674	69,218	68,213
Georgetown	17,306	10,639	12,513	17,851	14,778	16,927	27,037	18,016	36,825	59,367	49,506	67,512	28,062	18,295	24,045	38,938	20,251
Groton	59,443	14,260	14,246	15,565	33,281	91,199	49,852	41,842	41,953	67,974	121,773	68,470	56,374	61,174	35,395	58,094	51,154
Groveland	15,054	6,806	12,689	16,584	29,536	77,802	18,917	50,911	58,566	19,372	17,236	26,240	14,150	14,141	16,972	22,459	22,140
Halifax	15,390	5,945	5,207	7,830	7,826	20,231	10,771	15,148	43,348	28,353	56,111	50,226	30,399	11,561	34,149	30,672	23,640
Hamilton	32,409	28,120	25,738	40,137	32,356	64,616	79,669	67,245	61,647	56,068	67,933	69,673	41,637	42,118	46,326	60,933	50,332
Hanson	21,847	15,755	23,971	20,827	34,576	18,462	44,331	41,963	46,997	48,662	48,925	48,668	44,733	19,023	22,465	25,798	28,763
Harvard	32,041	29,588	27,904	32,000	34,389	45,419	29,836	65,600	31,940	23,025	65,683	32,141	48,494	26,373	30,267	28,980	35,552
Haverhill	246,350	324,636	283,509	330,067	464,116	516,883	514,556	299,131	295,763	267,361	390,198	342,547	168,380	266,235	266,206	233,351	269,352
Holliston	23,034	20,857	31,914	24,869	26,407	29,336	27,577	28,412	26,110	39,461	41,591	61,326	28,316	23,588	52,752	40,378	46,565
Hopedale	28,508	34,388	67,179	38,698	41,165	39,031	29,318	24,796	20,924	31,824	20,466	17,341	16,984	14,844	19,791	18,318	21,979
Hopkinton	32,996	28,803	25,787	33,994	31,056	31,124	43,607	39,049	39,819	36,813	42,036	42,858	39,704	35,649	44,824	37,671	33,656
Hudson	44,724	55,703	52,800	47,921	70,209	56,965	65,095	79,916	57,862	82,235	120,212	60,736	57,040	102,372	113,059	80,494	78,971
Ipswich	46,867	57,987	47,609	65,379	54,857	57,083	120,759	100,271	47,773	42,782	51,672	63,504	42,848	44,749	77,980	64,433	64,730
Kingston	26,062	26,249	10,624	27,560	27,069	31,635	35,424	45,596	45,121	52,920	21,818	33,976	9,750	15,619	29,589	30,901	28,808
Lawrence	503,260	533,294	464,293	548,570	645,254	763,161	667,647	474,579	718,445	684,706	767,337	956,819	367,415	350,367	436,904	475,336	444,220
Littleton	15,626	23,588	16,570	20,305	20,336	21,063	27,361	24,707	26,071	26,723	29,263	24,055	23,167	27,324	63,901	30,020	27,293
Lowell	618,182	736,385	938,561	885,801	993,541	885,840	906,201	761,324	858,265	856,972	796,603	709,906	431,808	489,759	515,856	671,823	504,473
Marlboro	103,365	69,544	99,132	162,079	142,312	181,042	182,953	236,470	113,204	233,317	222,835	202,127	98,406	110,247	130,490	100,077	116,217
Marshfield	47,166	54,042	36,621	40,693	53,822	51,731	83,550	74,798	42,064	93,748	79,916	104,748	34,875	60,895	45,455	56,924	60,427
Medway	23,278	26,893	29,364	31,616	33,453	35,826	38,092	61,196	60,787	70,463	55,162	70,973	32,603	26,962	28,320	32,034	34,811
Mendon	8,519	7,763	8,787	11,336	10,746	11,249	22,911	30,183	21,206	20,044	27,531	23,869	19,463	22,672	32,104	28,442	27,460
Merrimac	8,564	8,908	14,524	27,762	18,666	26,338	24,816	16,000	12,380	17,827	46,422	29,358	18,080	23,423	18,676	36,855	24,926
Methuen	121,862	179,345	145,836	167,896	157,024	302,118	219,134	153,001	155,963	161,796	227,106	201,070	170,316	102,280	104,628	118,192	119,744
Middleboro	49,634	48,567	42,797	72,401	92,733	78,714	111,267	101,272	81,868	74,764	92,366	87,182	76,544	46,288	40,086	46,893	41,341
Middleton	17,296	7,241	44,564	9,285	10,797	9,056	16,052	13,306	16,873	23,420	27,105	19,121	13,934	15,071	19,856	38,748	28,396
Milford	57,405	87,827	90,804	102,702	95,038	95,769	102,820	96,039	87,933	206,733	153,594	104,489	87,332	74,996	95,846	127,100	111,452
Millis	25,346	24,280	22,658	25,705	20,560	47,851	60,910	61,410	66,895	48,543	53,630	57,415	42,330	21,886	26,791	32,687	26,870
Newbury	12,285	12,823	53,749	16,659	24,731	17,980	29,357	30,536	27,129	34,066	34,330	34,224	34,224	17,047	24,643	34,396	30,287
Norfolk	16,299	19,806	23,621	25,503	28,256	29,531	44,122	38,325	36,467	38,482	39,648	34,873	23,060	22,446	23,986	26,024	20,745
North Andover	80,251	61,401	61,319	73,930	80,315	75,521	76,906	74,326	77,154	66,754	63,898	86,436	69,636	64,284	66,134	91,935	80,214
North Attleborough	57,199	54,013	47,539	55,784	67,489	54,112	62,577	66,636	87,613	76,220	144,772	67,267	46,103	34,047	52,657	53,055	58,820
Northborough	14,963	10,656	23,903	41,966	39,910	31,033	25,261	29,749	21,306	20,530	22,390	31,302	30,843	15,734	28,669	19,931	23,446
North Reading	12,169	11,369	10,222	18,749	18,472	17,727	29,879	29,169	27,547	38,641	34,880	31,144	28,455	31,471	32,694	33,924	34,038
Norton	12,610	8,788	11,176	16,675	16,774	18,241	28,119	22,468	29,808	34,583	56,397	34,540	21,902	16,919	24,159	24,615	24,223
Pembroke	31,056	49,728	13,772	27,306	33,155	35,985	56,275	39,152	60,036	72,644	50,567	44,991	29,894	26,099	24,690	28,616	22,239
Plainville	8,282	5,304	6,832	9,638	13,938	11,850	15,991	16,899	16,104	18,056	16,969	89,272	29,392	14,847	17,542	21,726	19,725
Plympton	38,981	12,082	13,210	8,801	18,334	11,209	32,637	39,593	36,879	12,544	13,049	42,783	21,027	5,973	9,860	11,078	9,466
Raynham	15,937	9,082	18,891	22,488	13,635	17,049	48,345	32,463	85,314	22,112	22,533	16,727	13,659	10,928	15,649	17,729	20,804
Rowley	12,038	9,024	7,180	11,471	9,861	11,078	14,917	21,631	14,574	15,419	39,458	32,590	16,126	11,032	16,983	13,987	16,902
Sherborn	30,054	26,960	20,171	26,382	32,526	24,994	31,117	33,425	27,186	64,161	56,127	58,682	56,758	60,277	58,778	67,724	29,314
Southborough	24,776	23,214	21,799	27,982	23,796	55,060	83,043	82,485	49,909	47,736	28,480	28,499	25,656	25,567	32,978	27,383	34,933
Stow	21,782	28,154	20,036	14,902	14,418	15,671	55,072	2,924	20,603	21,363	16,105	20,069	18,276	14,730	20,396	22,956	22,828
Taunton	143,823	243,339	196,139	243,825	259,879	241,748	300,486	264,455	287,558	281,136	303,787	343,650	234,674	211,147	194,197	171,833	128,985
Tewksbury	22,129	35,521	14,456	25,267	34,800	27,372	39,585	36,954	37,663	42,667	67,737	56,302	39,860	41,562	82,067	65,517	45,319
Topsfield	23,863	29,593	20,513	17,888	24,472	18,078	30,226	28,043	24,497	22,091	45,205	85,565	20,166	21,117	22,838	25,147	33,706
Tyngsborough	8,243	8,592	9,213	18,894	17,729	21,146	21,367	24,066	21,696	24,909	26,709	38,162	25,984	31,915	36,332	34,836	33,568
Upton	8,571	12,742	10,367	15,417	13,600	16,468	23,036	29,817	23,825	22,424	18,447	28,632	27,008	38,246	40,219	23,281	31,377
Wenham	16,685	16,028	17,868	23,268	17,301	14,881	35,191	43,114	27,026	23,797	30,188	49,901	30,452	22,150	24,573	20,946	20,184
Westborough	37,207	31,488	35,784	53,190	56,694	52,181	68,022	34,941	31,337	66,822	96,266	103,914	43,649	31,196	42,599	31,908	33,388
Westford	26,661	32,959	29,732	32,786	38,893	44,064	57,597	47,927	53,374	84,275	78,566	66,901	61,855	56,670	73,087	61,939	52,223
West Newbury	10,822	12,490	9,962	16,335	16,782	28,521	33,368	28,134	24,434	24,643	24,170	29,478	14,895	15,940	34,922	34,365	22,095
Wrentham	12,371	19,522	36,067	29,292	26,490	23,668	34,113	27,314	28,843	26,668	32,580	37,618	34,836	44,376	39,226	41,173	36,786
ZONE D - TOTAL	$3,706,979	$4,026,062	$4,069,677	$4,467,979	$4,861,676	$5,389,025	$5,868,444	$5,060,978	$5,215,669	$5,676,924	$6,181,707	$6,028,134	$3,760,075	$3,611,289	$4,266,309	$4,446,336	$4,046,307

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 16

TOTAL HIGHWAY EXPENDITURES BY SPECIAL ENACTMENTS

1920 - 1936 INCLUSIVE

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Project	Method of Distribution	Grand Total	Totals Distribution			Zone A Distribution			Zone B Distribution			Zone C Distribution		
			Highway Fund	M.D.C.	Local	Highway Fund	M.D.C.	Local	Highway Fund	M.D.C.	Local	Highway Fund	M.D.C.	Local
Cambridge Artery	50% Highway Fund-25% M.D.C.-25% Cambridge	$ 599,017	$ 299,509	$ 149,754	$149,754				$ 299,509	$ 149,754	$149,754			
Chelsea	All Highway Fund	9,759	9,759						9,759					
Hingham	$60,000.00 Highway Fund-Balance Hingham	114,067	60,000		34,067				60,000		34,067			
Revere	50% Highway Fund-50% M.D.C.	1,562,106	781,053	781,053					781,053	781,053				
Southern Traffic Route Cons.Fund	All Highway Fund-60% in Boston-Zone A-40% in Quincy-Zone B	1,591,360	1,591,360			$954,816			636,544					
Malden-Braintree-Hingham Line	All Highway Fund	624,352	624,352						624,352					
Broadway-Revere Beach Pkwy.Cons.Fund	50% Highway Fund-30% M.D.C.-20% Revere	180,000	90,000	54,000	36,000				90,000	54,000	36,000			
Canterbury Street Highway Cons.Fund	50% Highway Fund-15% M.D.C.-35% Boston	626,153	313,076	93,923	219,154	313,076	$93,923	$219,154						
Canton-Cedham-Wellesley Highway	All Highway Fund	1,334,060	1,334,060						1,334,060					
Land Taking Neponset River Milton Hwy.	All Highway Fund-50% in Boston-Zone A-50% in Milton-Zone B	230,224	230,224			115,119			116,112					
Neponset Bridge Traffic Circle	All Highway Fund	102,841	102,841			102,841								
Chelsea North Bridge Repair	50% Highway Fund-50% Local 50% in Boston-Zone A-50% in Chelsea-Zone B	134,058	67,029		67,029	33,515		33,514	33,514		33,515			
Elimination of Grade Crossings	$155,000 Hwy.Fund in Zone B(Bal.outside 30 Mi.Radius not incld.)	155,000	155,000						155,000					
State Highway Revere	Sect.1-$231,000 Hwy.Fund $156,000 M.D.C.$76,000 Local-$465,000 Sect.2-$200,000 Hwy.Fund $200,000 Sect.3-A 35,397 Hwy.Fund 35,397 M.D.C.$35,396 Local-$106,190	771,190	466,397	191,397	113,396				466,397	191,397	113,396			
West Roxbury Parkway Cons.Fund	50% Highway Fund-50% M.D.C. 90% in Boston-Zone A-10% in Brookline-Zone B	940,458	470,229	470,229		423,206	423,206		47,023	47,023				
Alewife Brook Parkway Extension	$280,562 Highway Fund-$68,000 Local	346,562	280,562		68,000				201,459		59,000	$79,103		$9,000
Saugus River Bridge	All Highway Fund	64,464	64,464						64,464					
TOTALS		$9,287,671	$6,859,915	$1740,356	$687,400	$1,942,566	$517,129	$252,668	$4,636,246	$1,223,227	$425,732	$79,103		$9,000

TOTAL STATE EXPENDITURES FROM STATE HIGHWAY FUND FOR STATE HIGHWAYS

INCLUDING HIGHWAY EXPENDITURES BY SPECIAL ENACTMENTS

1920 - 1936 INCLUSIVE

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Regular(Table 6 Totals)	$2,144	$5,051	$57,014	$1,866	$5,211	$2,626	$2,464	$ 3,989	$2,338	$ 2,983	$ 2,995	$4,170	$ 97,737	$103,308	$699,680	$904,715	$ 986,644
Special Acts	-----	-----	-------	-----	-----	-----	-----	879,372	-----	58,760	60,758	-----	663,117	61,048	54,747	48,342	98,422
TOTAL	$2,144	$5,051	$57,014	$1,866	$5,211	$2,626	$2,464	$883,361	$2,338	$61,743	$63,753	$4,170	$760,854	$164,356	$754,427	$953,057	$1,063,066
ZONE B																	
Regular(Table 6 Totals)	$326,300	$553,200	$148,411	$522,673	$672,077	$504,381	$889,736	$ 719,669	$777,008	$361,043	$1,034,571	$910,561	$1,886,953	$3,404,909	$4,301,442	$4,236,236	$3,971,016
Special Acts	-------	-------	61,635	143,688	-------	-------	-------	586,246	3,006	413,372	646,210	15,380	986,655	784,462	692,157	86,465	238,964
TOTAL	$326,300	$553,200	$210,046	$666,561	$672,077	$504,381	$889,736	$1,306,117	$780,013	$774,415	$1,680,781	$925,941	$2,873,608	$4,189,371	$4,993,599	$4,324,701	$4,209,982
ZONE C																	
Regular(Table 6 Totals)	$352,958	$370,561	$406,640	$819,556	$363,015	$206,739	$449,933	$412,504	$585,571	$788,950	$1,360,676	$768,174	$775,836	$416,301	$1,614,024	$1,437,494	$1,884,366
Special Acts	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	----------	5,097	-------	15,536	37,987	17,430	3,053
TOTAL	$352,958	$370,561	$406,640	$819,556	$363,015	$206,739	$449,933	$412,504	$585,571	$788,950	$1,360,676	$773,271	$775,836	$431,837	$1,652,011	$1,454,924	$1,887,441

TOTAL HIGHWAY EXPENDITURES BY THE BOSTON METROPOLITAN DISTRICT COMMISSION

INCLUDING HIGHWAY EXPENDITURES BY SPECIAL ENACTMENTS

1920 - 1936 INCLUSIVE

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
ZONE A																	
Regular(Table 11 Totals)	$361,301	$387,558	$342,414	$466,936	$405,034	$493,876	$1,078,652	$1,043,697	$844,645	$1,324,940	$814,840	$470,600	$ 699,756	$459,758	$465,310	$363,047	$359,981
Special Acts	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	17,636	-------	424,776	43,396	18,582	12,984	1,555
TOTAL	$361,301	$387,558	$342,414	$466,936	$405,034	$493,876	$1,078,652	$1,043,697	$844,645	$1,324,940	$832,376	$470,600	$1,124,532	$503,154	$481,892	$376,031	$361,536
ZONE B																	
Regular(Table 11 Totals)	$293,746	$314,143	$296,872	$394,076	$353,516	$436,299	$1,049,043	$914,803	$786,606	$2,780,043	$ 935,379	$554,369	$652,828	$606,909	$861,816	$447,464	$544,087
Special Acts	-------	-------	51,876	63,686	-------	-------	-------	-------	1,603	104,044	99,636	963	44,496	189,485	437,141	25,039	206,431
Total	$293,746	$314,143	$348,748	$457,763	$353,516	$436,299	$1,049,043	$914,803	$788,109	$2,884,087	$1,054,917	$555,352	$696,718	$796,394	$998,957	$472,503	$749,498

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(48 Municip.)
Zone C - Balance of Fed.Cens.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 16

SUMMARY OF STATISTICAL TABLES ON HIGHWAY EXPENDITURES, (1920-1936)

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

TABLES	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
4 State Expenditures for State Highway Constr.																	
Zone A	-----	3,222	54,420	21	-----	-----	-----	-----	-----	-----	-----	-----	69,631	100,152	856,759	732,767	910,746
B	191,402	212,789	9,631	112,691	121,161	4,973	36,689	6,929	119,466	42,607	62,668	295,967	1,333,761	3,082,779	3,729,371	3,428,845	2,651,362
A & B	191,402	216,011	64,251	112,712	121,161	4,973	36,689	6,929	119,466	42,607	62,668	295,967	1,423,392	3,182,931	4,586,130	4,155,612	3,562,108
C	226,361	277,657	318,104	514,692	161,485	17,856	-----	47	992	91,616	518,608	176,257	97,621	136,405	1,104,573	978,174	1,323,336
D	978,076	461,819	949,967	206,523	448,017	432,654	116,781	183,062	80,654	229,717	1,806,154	3,306,907	667,361	360,440	443,585	998,195	944,557
5 State Expenditures for State Highway Maint.																	
Zone A	2,144	1,829	2,594	1,845	5,211	2,626	8,464	3,989	2,338	8,963	2,995	4,170	8,106	3,156	40,861	171,948	75,898
B	134,892	340,411	136,580	410,162	550,916	499,406	653,049	712,940	657,542	318,436	971,903	614,574	553,198	322,130	578,071	615,391	1,319,656
A & B	137,042	342,240	141,174	412,027	556,127	502,034	655,513	716,929	659,880	321,419	974,898	618,744	561,298	325,286	618,932	987,339	1,395,554
C	126,597	92,904	90,736	304,664	201,530	166,664	449,933	418,457	584,679	697,432	642,274	592,917	676,015	279,896	509,451	461,320	561,050
D	446,427	419,420	452,010	771,941	1,266,044	1,033,614	1,846,324	1,467,686	1,080,865	1,286,778	1,466,859	2,016,015	1,573,338	869,374	566,570	1,410,974	1,666,866
6 Total State Expenditures (Sum of Tables 4 & 5)																	
Zone A	2,144	5,051	57,014	1,866	5,211	2,626	2,464	3,989	2,338	2,963	2,995	4,170	97,737	103,308	699,560	904,715	986,644
B	326,300	553,200	146,211	522,873	672,077	504,381	689,736	719,869	777,008	361,043	1,034,571	910,561	1,886,955	3,404,909	4,301,448	4,238,236	3,971,018
A & B	328,444	556,251	205,425	524,739	677,288	507,007	692,202	723,856	779,348	364,026	1,037,566	914,731	1,984,690	3,606,217	5,001,022	5,142,951	4,967,662
C	352,958	370,561	408,840	819,356	363,015	206,739	449,933	412,504	585,671	788,950	1,360,676	768,174	775,636	416,301	1,614,024	1,437,494	1,884,386
D	724,503	881,239	1,401,977	978,464	1,716,861	1,466,268	1,363,105	1,650,907	1,101,537	1,466,495	3,072,623	5,320,923	2,040,699	1,319,814	1,012,155	2,407,189	2,611,425
6a Total State Expenditures (Corrected for Table 15 to include Special Acts)																	
Zone A	2,144	5,051	57,014	1,866	5,211	2,626	2,464	863,361	2,338	61,743	63,753	4,170	760,854	184,356	754,327	953,067	1,063,066
B	326,300	553,200	219,046	666,581	678,077	504,381	689,736	1,306,117	780,013	774,415	1,680,781	925,941	2,873,608	4,189,371	4,993,599	4,324,701	4,809,982
A & B	328,444	556,251	267,960	668,427	677,288	507,007	692,202	2,169,478	782,351	836,158	1,944,534	930,111	3,634,462	4,353,727	5,747,926	5,277,768	5,293,048
C	352,958	370,561	408,840	819,356	363,015	206,739	449,933	412,504	585,671	788,950	1,360,676	773,271	775,636	431,837	1,652,011	1,454,924	1,827,441
D	724,503	881,239	1,401,977	978,464	1,716,861	1,466,268	1,363,105	1,650,907	1,101,537	1,466,495	3,072,623	5,320,923	2,040,699	1,319,814	1,012,155	2,407,189	2,611,425
7 State Expenditures for Town & County Road Construction (Ch. 90)																	
Zone B	47,475	34,901	43,959	68,757	75,690	116,563	166,509	134,121	210,811	201,388	204,533	203,376	140,018	166,586	214,682	345,178	379,416
C	79,848	107,723	91,053	111,980	165,493	183,682	161,761	139,368	169,010	235,449	233,920	252,394	97,620	157,563	260,528	299,428	183,556
D	141,430	225,171	159,133	177,461	214,919	266,200	362,054	426,619	412,702	570,076	715,974	900,651	317,613	365,613	473,614	497,677	222,831
8 State Expenditures for Small Town & County Road Maintenance (Ch. 81)																	
Zone C	-----	2,407	3,343	14,726	17,991	16,535	24,032	33,574	34,262	30,398	33,275	28,936	28,602	28,125	31,869	41,549	38,267
D	41,487	37,840	61,872	114,798	131,263	123,496	156,943	195,355	183,811	162,564	186,421	171,313	218,670	225,867	252,813	315,897	303,705
9 Total Chapters 81 - 90 State Expenditures (Sum of Tables 7 & 8)																	
Zone B	47,475	34,901	43,959	68,757	75,690	116,563	166,509	134,121	210,811	201,388	204,533	203,376	140,018	166,586	214,682	345,178	379,416
C	79,848	110,130	94,396	126,706	203,484	200,417	205,813	172,932	203,272	265,847	267,196	281,330	126,222	185,688	292,208	340,977	221,823
D	208,917	262,811	231,005	292,259	346,172	409,696	520,997	621,974	596,513	732,640	901,395	1,072,164	536,483	591,480	726,427	813,574	526,536
10 Total State Expenditures From State Highway Fund (Sum of Tables 6 & 9)																	
Zone A	2,144	5,051	57,014	1,866	5,211	2,626	2,464	3,989	2,338	2,963	2,995	4,170	97,737	103,308	699,560	904,715	986,644
B	373,775	588,101	192,370	591,630	747,767	620,944	1,076,247	853,990	987,819	562,431	1,239,104	1,113,937	2,026,971	3,571,495	4,516,124	4,583,414	4,350,434
A & B	375,919	593,152	249,384	593,498	752,978	623,570	1,078,711	857,979	990,157	565,414	1,242,099	1,118,107	2,124,708	3,674,803	5,218,704	5,486,129	5,337,078
C	432,806	480,691	503,236	946,262	566,499	407,156	665,746	585,436	788,843	1,054,797	1,626,071	1,049,504	902,256	601,989	1,906,232	1,776,471	2,106,811
D	927,422	1,144,050	1,632,982	1,270,723	2,063,033	1,875,964	1,884,102	2,272,861	1,698,050	2,221,135	3,974,018	6,393,087	2,577,182	1,911,294	1,738,782	3,220,743	3,137,961
10a Total State Expenditures From State Highway Fund (Corrected for Table 15 to include Special Acts)																	
Zone A	2,144	5,051	57,014	1,866	5,211	2,626	2,464	863,361	2,338	61,743	63,753	4,170	760,854	184,356	754,327	953,067	1,063,066
B	373,775	588,101	254,005	735,318	747,767	620,944	1,076,247	1,440,238	990,824	975,803	2,065,314	1,129,317	3,013,626	4,335,957	5,208,281	4,689,879	4,589,398
A & B	375,919	593,152	311,019	737,184	752,978	623,570	1,078,711	2,323,599	993,162	1,037,546	2,149,087	1,133,487	3,774,480	4,520,313	5,962,606	5,622,936	5,672,464
C	432,806	480,691	503,236	946,262	566,499	407,156	665,746	585,436	788,843	1,054,797	1,626,071	1,064,601	902,256	617,525	1,948,219	1,795,901	2,109,264
D	927,422	1,144,050	1,632,982	1,270,723	2,063,033	1,875,964	1,884,102	2,272,861	1,698,050	2,221,135	3,974,018	6,393,087	2,577,182	1,911,294	1,738,782	3,220,743	3,137,961
11 Met.Dist. Comm. Expenditures																	
Zone A	361,301	387,558	342,414	466,936	405,034	493,876	1,078,852	1,043,597	844,845	1,324,940	614,540	470,600	699,756	459,758	466,310	363,047	359,981
B	293,745	314,143	296,872	394,075	353,516	436,299	1,049,043	914,803	786,806	2,760,043	955,379	554,369	652,222	806,909	561,816	447,464	544,087
A & B	655,047	701,701	639,288	861,011	758,550	930,175	2,127,895	1,958,400	1,631,451	4,104,983	1,769,919	1,025,169	1,351,978	1,066,667	1,027,126	810,511	904,068
11a Met.Dist. Comm. Expenditures (Corrected for Table 15 to include Special Acts)																	
Zone A	361,301	387,558	342,414	466,936	405,034	493,876	1,078,852	1,043,597	844,845	1,324,940	632,376	470,600	1,124,532	503,154	481,892	376,031	361,536
B	293,745	314,143	348,748	457,763	353,516	436,299	1,049,043	914,803	786,109	2,854,087	1,054,917	555,358	696,716	796,394	998,957	472,503	749,498
A & B	655,047	701,701	691,162	924,699	758,550	930,175	2,127,895	1,958,400	1,632,954	4,209,027	1,687,293	1,026,152	1,821,250	1,299,548	1,480,848	848,534	1,111,034
12 Local - Construction																	
Zone A	1,384,661	2,255,266	2,288,563	1,457,994	2,664,316	4,569,240	4,942,661	2,860,537	4,877,493	2,911,786	5,505,939	4,724,512	3,319,559	1,596,066	894,644	1,293,392	1,122,907
B	3,280,617	3,208,605	2,866,960	3,755,706	3,784,817	3,682,007	4,692,842	5,543,451	5,460,382	7,642,847	6,246,120	5,222,779	2,554,637	1,823,093	3,016,525	3,866,676	4,218,007
A & B	4,575,298	5,463,871	5,155,543	5,213,700	6,339,136	8,251,247	9,635,423	8,403,988	10,337,876	10,554,373	11,752,059	9,947,291	5,574,496	3,419,159	3,911,169	4,980,266	5,340,914
C	1,013,162	1,068,939	1,269,221	1,162,727	1,419,927	1,375,416	1,290,672	1,266,178	1,545,240	1,786,407	1,679,469	1,761,015	806,180	566,687	1,214,723	1,314,285	1,211,269
D	1,362,579	1,636,753	1,592,617	1,677,218	1,987,784	2,475,481	2,303,281	1,984,985	2,248,167	2,649,068	2,976,168	2,920,699	1,033,017	851,338	1,102,302	1,276,366	1,098,518
13 Local - Maintenance																	
Zone A	4,486,687	3,932,801	3,421,186	3,866,377	4,096,180	3,986,276	4,163,786	4,466,641	4,211,996	4,706,792	3,976,646	3,637,445	3,165,269	3,165,928	3,466,457	4,317,490	4,040,931
B	4,107,354	4,068,923	4,127,067	4,523,639	4,669,425	4,977,462	5,771,671	5,554,694	5,669,606	5,901,896	6,052,826	5,966,717	5,462,160	4,798,976	5,357,715	5,716,031	5,644,335
A & B	8,593,041	7,969,724	7,548,253	8,410,216	8,765,605	8,963,738	9,935,457	10,010,335	9,861,604	10,608,688	10,031,473	9,604,162	8,637,429	7,962,904	8,824,172	10,033,521	9,685,266
C	1,669,269	1,684,011	1,530,204	1,739,730	1,777,433	1,815,307	2,203,426	2,131,716	2,045,740	2,207,911	2,222,610	2,314,187	1,961,105	1,773,866	1,978,285	2,119,874	2,056,906
D	2,344,400	2,369,309	2,477,060	2,760,781	2,883,981	2,913,544	3,853,163	3,098,953	2,967,592	3,026,842	3,206,549	3,107,236	2,747,056	2,769,961	3,164,007	3,170,980	2,946,789
14 Total Local Expenditures (Sum of Tables 12 & 13)																	
Zone A	5,810,348	6,188,067	5,709,749	5,344,371	6,650,498	7,635,516	9,106,367	7,316,178	9,089,489	7,618,578	9,484,587	8,361,957	6,505,128	4,781,994	4,363,101	5,610,882	5,163,838
B	7,387,971	7,285,528	6,994,047	8,279,345	8,454,242	8,659,469	10,464,513	11,098,145	11,129,990	13,544,543	12,296,945	11,189,496	8,006,797	6,620,069	8,374,240	9,382,707	9,862,342
A & B	13,198,319	13,453,595	12,703,796	13,623,716	15,104,740	16,294,985	19,570,880	18,414,323	20,219,479	21,163,121	21,783,532	19,551,453	14,511,925	11,402,063	12,737,341	14,993,589	15,026,180
C	2,702,431	2,750,950	2,799,425	2,902,457	3,197,360	3,190,723	3,494,098	3,398,888	3,591,188	3,994,318	3,902,278	3,065,143	2,556,285	2,330,175	3,193,006	3,434,159	3,266,175
D	3,706,879	4,026,062	4,069,677	4,457,979	4,851,675	5,389,025	5,856,444	5,050,976	5,615,889	5,675,924	6,181,707	6,028,134	3,780,075	3,611,869	4,266,309	4,446,336	4,046,307

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 17

TOTAL HIGHWAY EXPENDITURES BY MUNICIPALITIES AND SOURCE OF FUNDS

EVERY THIRD YEAR FROM 1921 TO 1936.

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1921			1924			1927			1930			1933			1936		
	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local
ZONE A Boston	$ 5,051	$387,556	$6,188,067	$ 5,211	$405,034	$6,650,496	$ 3,989	$1,043,597	$7,316,178	$ 2,995	$314,540	$9,484,587	$103,308	$459,758	$4,781,994	$986,444	$359,981	$5,163,638
ZONE B																		
Arlington	$ 426	$ 7,796	$ 113,517	$ 11,735	$ 8,737	$ 233,481	$ 937	$ 18,269	$ 320,930	$ 13,366	$ 23,734	$ 287,763	$ 58,136	$ 14,012	$ 287,198	$ 63,120	$ 24,101	$ 285,854
Belmont	-----	5,098	86,166	-----	5,764	134,118	1,178	11,173	177,862	-----	15,100	275,164	18,317	9,987	150,427	36,398	10,906	194,023
Braintree	29,410	2,780	95,963	35,424	3,348	107,476	80,099	7,792	330,122	22,092	22,147	252,521	29,734	5,812	66,018	136,861	5,835	116,481
Brookline	-----	22,511	344,802	-----	24,822	452,190	-----	54,480	642,232	-----	149,563	915,357	5,742	34,007	407,529	163,271	29,408	477,494
Cambridge	-----	42,402	712,120	-----	45,231	796,121	-----	198,983	1,412,308	-----	87,176	1,080,293	3,914	44,936	799,654	9,792	39,937	940,548
Canton	22,958	1,893	129,682	16,350	2,028	92,881	38,966	3,859	109,243	39,355	4,131	99,613	6,319	4,933	32,005	246,860	1,950	59,909
Chelsea	3,866	11,170	294,471	1,872	12,200	375,554	3,903	24,833	384,804	700	26,500	294,175	709	13,247	136,779	25,604	11,391	173,827
Cohasset	499	-----	52,178	919	-----	84,436	5,610	-----	73,321	1,194	-----	78,264	141,025	-----	58,976	4,386	-----	74,707
Dedham	2,079	3,699	90,969	2,383	4,093	113,166	5,544	6,472	200,457	137,994	10,145	193,136	371,977	9,102	80,749	206,009	5,325	150,318
Dover	1,939	662	25,724	1,879	696	24,243	2,832	1,362	38,261	6,561	1,473	49,926	929	776	20,367	1,419	510	21,676
Everett	-----	11,479	161,657	-----	12,985	215,276	-----	25,230	347,434	-----	29,074	432,882	-----	16,803	185,469	-----	15,571	361,114
Hingham	32,736	1,865	56,436	10,116	2,279	70,172	50,689	5,014	102,621	49,308	15,043	172,542	166,412	3,255	61,351	20,819	3,075	61,951
Hull	-----	2,403	66,343	-----	2,739	117,100	-----	5,802	131,781	-----	6,407	160,986	37	3,284	102,169	-----	3,051	140,438
Lexington	6,281	-----	116,055	6,454	-----	74,174	23,479	-----	137,714	34,507	-----	210,260	13,667	-----	103,393	155,885	357	157,335
Lynn	7,348	28,652	590,652	9,013	30,994	681,703	8,887	65,924	651,109	75,761	58,293	573,864	4,687	33,515	362,764	138,747	30,600	495,630
Malden	45	16,243	348,375	128	17,747	403,151	707	29,429	280,325	73	60,898	450,403	12,101	20,306	325,589	94,471	18,187	455,793
Medford	770	14,757	155,963	879	16,225	377,504	66,156	28,450	411,304	1,306	34,424	420,461	890	22,630	205,201	15,642	30,984	412,939
Melrose	547	5,318	165,623	872	5,965	94,788	582	12,000	199,089	980	14,306	225,666	1,942	8,367	125,319	26,681	8,062	146,549
Milton	1,011	4,806	108,240	104,520	5,162	171,160	74,500	11,142	195,462	57,804	14,534	293,953	22,110	7,784	123,343	313,465	7,430	164,286
Nahant	-----	1,009	36,189	-----	1,063	33,205	-----	2,148	35,096	-----	1,923	34,703	1,848	1,159	51,065	1,456	1,095	34,677
Needham	1,574	2,685	80,528	2,399	2,868	113,207	65,007	6,834	140,092	7,976	8,128	165,554	90,888	56,854	127,067	77,446	4,942	81,838
Newton	930	21,365	485,051	2,166	23,694	585,059	881	47,815	757,212	35,515	58,611	1,057,259	738,634	33,702	466,408	107,336	30,996	1,173,213
Norwood	3,935	-----	83,840	109,306	-----	131,372	3,201	-----	125,978	3,184	-----	173,359	142,450	-----	82,073	98,960	-----	152,794
Quincy	47,433	17,637	496,760	3,017	27,161	697,986	95,900	165,301	890,704	99,097	63,310	916,921	25,100	36,744	365,484	402,898	32,481	673,363
Reading	5,982	-----	62,926	27,658	-----	75,101	4,790	-----	86,780	127,217	-----	83,903	20,608	-----	59,741	80,165	-----	108,544
Revere	7,672	7,153	310,573	9,802	8,002	235,547	6,913	15,970	119,314	26,901	17,351	314,914	219,270	102,258	152,369	444,156	88,561	151,160
Saugus	61,535	2,417	49,946	17,079	2,630	90,336	24,646	4,965	110,250	22,518	5,923	73,547	18,124	3,714	32,175	78,109	3,685	80,416
Somerville	793	28,974	336,583	2,920	30,241	341,065	57,926	51,642	470,853	761	55,448	492,910	482	32,571	328,063	84,549	28,631	502,992
Stoneham	4,811	1,951	37,617	2,457	2,970	50,153	2,080	5,211	79,496	131,240	5,371	197,093	16,947	4,038	93,637	41,876	3,601	85,812
Stoughton	92,716	-----	41,300	19,840	-----	83,207	11,527	-----	73,523	13,352	-----	85,216	14,170	-----	29,436	33,791	-----	41,304
Swampscott	6,082	3,540	108,551	1,736	3,875	80,401	2,281	7,958	129,270	7,167	10,622	144,865	4,420	5,436	81,133	8,545	5,026	113,025
Wakefield	1,902	3,761	92,115	5,657	4,070	137,769	-----	8,864	118,904	1,025	9,677	145,633	12,013	5,310	94,535	157	4,795	130,185
Walpole	10,415	-----	100,431	238,995	-----	131,711	13,923	-----	133,940	2,789	-----	105,828	17,842	-----	80,496	140,254	-----	196,243
Waltham	30,719	9,001	387,175	520	11,187	257,194	973	22,139	390,135	15,239	23,605	296,136	14,429	13,467	120,056	285,808	12,544	286,994
Watertown	41,126	7,395	284,114	556	7,914	178,880	1,042	17,826	328,102	15,055	21,776	357,416	11,365	12,510	142,071	32,210	44,106	305,489
Wellesley	654	3,669	71,653	2,338	4,277	99,383	873	11,595	143,279	87,634	12,401	176,449	1,169,554	7,426	138,149	91,039	7,276	143,230
Wester	1,476	1,936	43,238	10,241	1,904	60,757	19,463	3,229	70,845	41,320	3,328	96,751	6,684	1,893	43,538	52,354	1,927	55,014
Westwood	3,131	639	31,548	72,106	684	51,763	765	1,570	29,593	15,346	1,693	72,425	131,325	5,926	22,100	82,394	1,031	26,046
Weymouth	11,676	3,930	111,771	5,547	4,412	120,288	137,502	9,699	266,106	116,045	51,934	302,315	50,354	10,916	166,116	285,120	9,416	264,001
Winchester	46,813	4,382	93,125	1,489	5,653	123,054	22,025	10,392	168,126	7,802	11,775	211,429	57,300	6,717	135,026	65,507	6,120	197,147
Winthrop	-----	4,506	65,875	-----	4,696	66,885	-----	9,078	106,792	-----	10,312	119,733	-----	5,790	102,786	-----	5,344	89,743
Woburn	77,483	4,630	135,465	4,570	4,778	89,178	16,405	9,112	144,376	18,890	9,241	174,975	-----	5,709	101,393	190,174	5,009	238,980
ZONE B -- TOTAL	$588,101	$314,143	$7,265,528	$747,767	$353,514	$8,454,242	$853,990	$914,802	$11,098,145	$1,239,104	$996,379	$12 298,945	$3,571,495	$606,908	$6,620,069	$4,350,434	$544,067	$9,952,342
ZONE C																		
Abington	$ 4,727	-----	39,353	$ 43,651	-----	$ 37,051	$ 4,651	-----	$ 43,717	$ 73,954	-----	$ 59,063	$ 3,819	-----	$ 27,233	$ 101,154	-----	$ 45,509
Avon	1,417	-----	4,882	2,363	-----	6,098	6,993	-----	14,464	97,547	-----	32,482	2,056	-----	8,233	25,718	-----	12,994
Bedford	7,488	-----	33,575	5,749	-----	33,429	1,833	-----	33,219	10,059	-----	32,467	6,237	-----	20,834	31,289	-----	41,187
Beverly	10,368	-----	201,712	5,232	-----	186,275	40,700	-----	224,932	23,260	-----	310,290	8,761	-----	187,963	74,609	-----	216,573
Bridgewater	11,807	-----	37,025	30,282	-----	40,021	13,301	-----	39,061	301,386	-----	44,354	7,638	-----	30,434	23,848	-----	42,077
Brockton	2,488	-----	328,319	2,670	-----	357,778	102,476	-----	492,571	5,391	-----	536,011	20,350	-----	241,681	152,833	-----	460,879
Burlington	5,366	-----	14,850	44,443	-----	18,779	10,399	-----	26,049	22,173	-----	44,201	51,693	-----	37,420	23,108	-----	46,417
Concord	2,479	-----	68,081	8,693	-----	59,012	8,538	-----	75,156	27,875	-----	125,819	21,641	-----	92,658	82,079	-----	94,642
Danvers	28,549	-----	99,412	11,076	-----	93,866	13,839	-----	119,934	60,181	-----	100,318	10,160	-----	54,774	52,863	-----	71,535
East Bridgewater	6,515	-----	45,238	8,526	-----	40,443	17,354	-----	60,297	24,473	-----	63,368	8,025	-----	19,062	35,657	-----	34,325
Easton	3,225	-----	33,763	54,768	-----	48,804	11,831	-----	62,574	11,753	-----	52,661	27,969	-----	44,448	30,581	-----	45,404
Foxborough	1,770	-----	19,179	13,142	-----	52,083	2,740	-----	41,964	24,348	-----	89,061	14,667	-----	48,732	28,164	-----	36,795
Framingham	13,330	-----	181,049	12,077	-----	212,300	13,308	-----	256,196	24,884	-----	283,965	47,158	-----	133,570	278,358	-----	257,319
Gloucester	4,057	-----	158,767	4,762	-----	328,874	23,870	-----	229,687	37,094	-----	231,682	14,440	-----	208,010	81,357	-----	235,577
Hanover	8,989	-----	49,622	6,210	-----	50,342	2,787	-----	40,677	259,986	-----	39,005	9,276	-----	27,410	4,802	-----	17,092
Holbrook	7,882	-----	41,164	10,287	-----	32,624	6,820	-----	26,699	16,710	-----	43,223	13,177	-----	14,862	12,662	-----	17,862
Lincoln	7,304	-----	35,076	13,569	-----	43,616	14,836	-----	43,957	7,544	-----	29,796	8,721	-----	27,814	28,892	-----	28,884
Lynnfield	195,781	-----	34,905	1,897	-----	14,661	2,109	-----	23,087	15,294	-----	44,676	15,284	-----	15,240	34,535	-----	32,932
Manchester	-----	-----	66,097	-----	-----	46,569	-----	-----	39,042	465	-----	51,644	367	-----	44,076	15,662	-----	24,531
Mansfield	7,710	-----	56,443	656	-----	39,746	3,904	-----	88,004	13,420	-----	64,801	10,847	-----	35,946	98,069	-----	62,695
Marblehead	10,014	-----	139,515	5,720	-----	108,690	-----	-----	107,350	10,337	-----	137,465	18,662	-----	102,850	6,381	-----	129,387
Maynard	2,558	-----	36,123	8,771	-----	78,409	-----	-----	42,203	-----	-----	45,782	-----	-----	25,360	2,197	-----	58,659
Medfield	1,500	-----	19,961	7,290	-----	31,595	17,602	-----	66,106	16,124	-----	47,956	6,663	-----	22,595	9,461	-----	26,967
Natick	4,006	-----	86,668	14,962	-----	116,572	18,405	-----	155,110	260,800	-----	200,784	17,977	-----	92,669	144,525	-----	112,289
Norwell	28,550	-----	31,365	7,410	-----	21,182	7,030	-----	24,213	7,323	-----	19,969	7,813	-----	19,775	26,096	-----	24,662
Peabody	114,087	-----	72,354	2,700	-----	90,209	3,189	-----	136,376	8,340	-----	89,054	5,266	-----	71,164	81,328	-----	194,351
Randolph	6,088	-----	29,558	18,622	-----	65,005	6,939	-----	36,651	153,704	-----	44,726	8,622	-----	23,046	98,649	-----	44,001
Rockland	5,426	-----	74,251	15,008	-----	99,004	908	-----	66,260	828	-----	54,084	13,317	-----	55,168	35,389	-----	122,603
Rockport	5,152	-----	25,059	35,339	-----	119,370	65,636	-----	82,783	27,349	-----	95,390	887	-----	22,055	1,107	-----	27,864
Salem	3,353	-----	404,314	2,249	-----	407,527	19,226	-----	319,953	10,767	-----	396,280	8,801	-----	313,109	63,727	-----	256,330
Scituate	7,185	-----	71,335	44,925	-----	87,842	4,867	-----	123,759	12,210	-----	171,739	141,523	-----	74,668	8,555	-----	121,305
Sharon	5,431	-----	40,723	5,422	-----	42,451	6,092	-----	66,967	5,198	-----	80,988	1,907	-----	5,120	147,614	-----	46,332
Sudbury	4,041	-----	20,793	16,593	-----	24,446	19,261	-----	44,598	17,946	-----	32,974	20,024	-----	26,785	32,118	-----	28,199
Wayland	4,893	-----	28,213	68,183	-----	34,895	7,671	-----	32,246	9,477	-----	46,831	16,193	-----	67,596	49,924	-----	57,610
West Bridgewater	7,310	-----	50,029	18,287	-----	47,634	36,918	-----	33,735	16,628	-----	42,675	9,146	-----	30,035	135,815	-----	28,458
Whitman	2,404	-----	46,995	2,373	-----	53,696	7,174	-----	65,693	1,280	-----	63,233	18,495	-----	36,675	31,667	-----	61,193
Wilmington	6,458	-----	25,352	13,397	-----	32,660	62,431	-----	55,468	13,165	-----	51,422	11,597	-----	32,077	33,266	-----	31,637
ZONE C - TOTAL	$460,491	-----	$2,750,960	$566,499	-----	$3,197,360	$585,436	-----	$3,389,888	$1,628,071	-----	$3,902,279	$601,989	-----	$2,330,175	$2,106,211	-----	$3,268,175
ZONE D - TOTAL	$1,144,250	-----	$4,025,082	$2,063,033	-----	$4,651,676	$2,272,881	-----	$5,060,978	$3,974,018	-----	$6,161,707	$1,911,894	-----	$3,611,289	$3,137,961	-----	$4,045,307

*Note: - Exclusive of Expenditures by Special Acts.

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 178

TOTAL HIGHWAY EXPENDITURES BY MUNICIPALITIES AND SOURCE OF FUNDS

EVERY THIRD YEAR FROM 1921 TO 1936

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1921		1924		1927		1930		1933		1936	
	State	Local	State	Local	State	Local	State	Local	State	Local	State	Local
ZONE D												
Acton	$ 22,973	$ 56,603	$ 20,546	$ 36,672	$ 28,336	$ 69,949	$ 23,081	$ 47,062	$ 23,581	$ 35,772	$ 49,682	$ 34,046
Andover	45,589	117,263	43,055	102,728	4,967	99,568	113,660	210,044	11,998	108,739	130,615	138,311
Ashland	13,416	45,756	8,677	21,814	8,247	29,513	11,630	36,632	14,329	22,622	48,081	26,650
Attleboro	4,972	195,853	65,170	106,274	177,217	94,738	99,202	155,798	4,411	66,477	38,327	120,822
Ayer	4,261	27,609	2,303	25,723	66,538	45,316	14,613	61,998	11,835	28,300	101,831	39,908
Bellingham	8,256	17,877	20,959	41,536	58,051	44,015	19,669	36,066	11,863	21,939	40,424	26,453
Berlin	2,619	10,038	9,214	20,171	10,230	26,160	17,126	41,150	14,879	24,413	12,342	27,807
Billerica	48,590	64,024	10,100	73,549	35,134	103,866	115,448	91,187	44,891	63,105	81,946	83,765
Bolton	1,977	9,081	5,969	10,741	17,746	38,275	12,402	23,486	23,522	33,572	10,741	26,734
Boxborough	4,681	4,814	5,942	7,262	7,409	10,615	9,940	10,372	9,921	8,534	8,072	8,656
Carlisle	3,484	6,853	4,166	8,177	10,567	25,782	10,634	25,816	9,746	21,762	7,227	21,216
Chelmsford	22,811	80,017	168,033	93,380	71,562	74,635	14,542	90,662	28,349	48,997	208,977	55,648
Dracut	7,778	56,306	13,591	25,956	22,017	75,173	8,730	49,260	31,192	40,214	165,850	55,274
Dunstable	2,906	9,914	6,597	11,033	7,421	11,779	8,586	16,174	8,307	19,273	7,646	16,406
Duxbury	15,113	24,178	11,419	50,158	82,340	72,974	4,135	33,836	3,574	29,707	6,551	36,784
Essex	3,442	11,015	131,144	23,669	8,768	13,900	16,241	27,448	17,504	8,999	12,763	13,435
Franklin	8,556	48,659	8,913	63,348	62,157	81,179	22,006	116,535	10,779	54,373	6,132	66,213
Georgetown	-----	10,639	2,733	14,778	6,151	18,016	22,787	49,506	5,657	16,295	6,550	20,251
Groton	157,550	14,280	5,920	33,261	7,932	41,842	24,805	121,773	54,696	61,174	25,863	51,154
Groveland	2,335	8,808	12,309	29,536	27,141	50,911	5,307	17,235	4,459	14,141	30,854	22,140
Halifax	5,200	5,945	2,657	7,828	3,576	15,148	41,750	66,111	4,003	11,681	10,563	23,640
Hamilton	1,416	26,120	2,309	32,358	9,497	67,245	16,056	87,933	30,957	42,116	45,637	50,332
Hanson	2,457	15,765	7,229	34,576	15,850	41,663	13,623	48,925	4,256	19,023	5,468	28,763
Harvard	6,083	29,588	13,438	34,389	23,977	65,600	42,568	65,883	26,504	26,373	42,412	35,552
Haverhill	9,071	324,636	202,541	464,116	22,155	299,131	20,148	390,198	47,519	266,235	105,092	289,352
Holliston	5,702	20,867	11,481	26,407	33,819	26,412	14,228	41,591	14,412	23,588	41,831	45,586
Hopedale	706	34,388	615	41,165	387	24,796	5,189	20,468	971	14,844	13,240	21,979
Hopkinton	5,847	28,803	10,977	31,058	14,637	39,049	14,652	42,036	16,067	35,649	15,772	33,656
Hudson	7,066	55,703	7,425	70,209	1,556	79,916	16,195	120,212	60,181	102,372	23,021	78,971
Ipswich	14,109	57,967	88,223	54,857	11,385	100,271	63,630	51,672	60,813	44,749	53,953	64,730
Kingston	36,942	28,249	10,418	27,069	81,651	45,598	1,510	21,618	1,790	15,619	28,931	28,808
Lawrence	611	533,294	16,373	645,254	1,442	474,579	5,633	767,337	759	350,367	105,006	444,220
Littleton	191,945	23,568	9,904	20,336	12,347	24,707	33,906	29,263	18,772	27,324	51,131	27,293
Lowell	7,906	736,365	106,690	993,541	1,723	761,324	8,956	798,603	3,210	489,759	108,033	504,473
Marlboro	6,434	69,544	38,763	142,312	35,766	238,470	24,780	222,536	16,348	110,247	48,656	116,217
Marshfield	14,874	64,042	6,050	53,622	169,683	74,796	18,830	79,918	9,213	60,695	6,510	50,427
Medway	5,498	26,893	7,767	33,453	23,751	61,196	17,248	55,182	5,754	28,962	11,752	34,611
Mendon	38,999	7,753	7,977	10,746	15,375	30,183	15,232	27,531	16,510	22,622	10,602	27,460
Merrimac	4,646	8,908	6,358	18,668	19,983	18,000	16,519	46,422	9,438	23,423	38,513	24,926
Methuen	5,009	179,345	99,664	157,024	15,431	163,001	16,337	227,105	13,746	102,280	96,334	119,744
Middlebero	8,629	48,587	62,218	92,733	22,900	101,272	537,246	92,356	120,606	46,288	22,085	41,341
Middleton	70,368	7,241	1,565	10,797	4,670	13,306	12,640	27,105	67,470	15,071	124,907	28,396
Milford	5,606	67,827	17,383	95,038	4,044	98,039	24,901	153,594	11,704	74,996	28,241	111,452
Millis	5,072	24,280	1,878	20,680	24,797	61,410	17,594	53,630	6,107	21,866	11,075	26,870
Newbury	11,149	12,823	10,922	24,731	20,607	30,536	498,600	34,330	137,484	17,047	39,216	30,287
Norfolk	4,281	19,806	16,057	26,265	13,047	38,325	15,011	39,648	8,706	22,446	11,498	20,745
North Andover	12,747	61,401	80,916	80,315	133,213	74,328	48,705	83,898	36,804	64,264	156,095	80,214
North Attleboro	2,672	54,013	161,571	57,489	27,792	65,638	394,027	144,772	9,661	34,047	29,893	56,820
Northborough	4,163	10,655	26,186	39,910	11,773	29,749	61,989	22,390	27,296	15,734	28,505	23,446
North Reading	3,426	11,359	25,867	15,472	10,385	29,169	12,044	34,860	14,823	31,471	31,634	34,038
Norton	4,147	6,788	14,424	18,774	13,892	22,468	73,721	58,397	17,477	16,199	34,200	24,223
Pembroke	8,427	49,728	100,244	33,165	21,284	39,152	72,393	50,567	12,280	25,099	10,860	22,239
Plainville	5,627	6,304	11,527	13,932	6,780	16,899	6,242	16,969	10,185	14,847	19,168	19,725
Plympton	5,225	12,082	10,977	16,334	25,270	39,693	7,619	13,049	3,271	6,973	6,074	9,466
Raynham	6,390	9,082	13,664	13,835	204,640	32,453	9,625	22,533	236,421	10,928	62,944	20,604
Rowley	7,036	9,024	9,640	9,661	10,511	21,631	167,290	39,456	14,520	11,032	21,903	16,902
Sherborn	3,884	26,960	6,122	32,526	6,936	33,426	22,497	56,127	31,323	60,277	6,979	29,314
Southborough	1,548	23,214	3,670	23,796	21,979	62,486	127,502	26,460	13,391	26,567	49,923	34,933
Stow	8,833	28,154	3,918	14,418	6,569	2,924	6,774	16,105	6,376	14,730	6,973	22,626
Taunton	49,194	243,339	10,268	259,679	121,704	284,456	120,802	303,787	116,843	211,147	136,078	126,965
Tewksbury	2,133	35,521	7,740	34,800	10,169	36,954	23,770	67,737	36,661	41,562	130,294	45,319
Topsfield	4,957	29,593	6,915	24,472	9,976	22,043	221,678	45,205	12,099	21,117	20,486	33,708
Tyngsboro	11,156	8,592	169,472	17,729	9,716	24,068	20,097	26,709	25,301	31,915	41,931	33,566
Upton	105,603	12,742	12,769	13,800	13,577	29,617	53,695	18,447	26,379	36,246	19,635	31,377
Wenham	1,345	16,036	677	17,301	11,443	43,114	6,244	30,168	6,625	22,160	31,307	20,184
Westboro	9,302	31,488	16,279	58,694	2,293	34,941	340,619	95,266	18,559	31,198	25,225	33,398
Westford	12,588	32,959	9,403	36,893	47,348	47,927	23,890	76,566	28,745	56,670	66,506	62,263
West Newbury	6,801	12,490	10,280	18,782	14,984	26,134	14,672	24,170	103,640	16,940	36,609	22,095
Wrentham	9,256	19,622	26,942	26,490	182,637	27,314	38,416	32,580	26,704	44,976	66,878	38,786
ZONE D TOTAL	$1,144,050	$4,046,062	$4,063,033	$4,851,676	$2,272,881	$6,060,078	$3,974,018	$6,181,707	$1,911,294	$3,611,289	$3,137,961	$4,045,307

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 16

PERCENTAGE DISTRIBUTION OF

TOTAL HIGHWAY EXPENDITURES BY MUNICIPALITIES AND SOURCE OF FUNDS

EVERY THIRD YEAR FROM 1921 TO 1936.

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1921 % of Total			1924 % of Total			1927 % of Total			1930 % of Total			1933 % of Total			1936 % of Total		
	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local	State*	M.D.C.*	Local
ZONE A																		
Boston	.06	5.89	94.03	.07	5.74	94.19	.06	12.46	87.47	.03	3.21	96.76	1.83	8.60	89.47	15.15	5.53	79.32
ZONE B																		
Arlington	.35	6.41	93.24	4.62	3.44	91.94	.28	5.37	94.35	4.12	7.31	88.57	17.13	4.13	78.74	16.92	6.46	76.62
Belmont	----	5.59	94.41	-----	4.06	95.94	.62	5.87	93.51	----	5.20	94.80	10.24	5.56	84.18	15.06	4.62	80.40
Braintree	22.95	2.17	74.86	24.22	2.29	73.49	19.16	1.66	78.98	7.45	7.46	85.09	29.28	6.72	65.00	52.40	2.23	45.37
Brookline	-----	6.13	93.87	-----	5.20	94.80	-----	7.86	92.16	----	14.04	85.96	1.29	7.50	91.11	24.36	4.39	71.25
Cambridge	-----	5.62	94.38	-----	5.36	94.62	-----	12.35	87.65	----	7.47	92.53	.46	5.30	94.24	.99	4.03	94.98
Canton	14.85	1.18	83.97	14.70	1.62	83.48	26.62	2.54	71.84	27.45	2.86	69.66	14.61	11.40	73.99	79.96	.63	19.41
Chelsea	1.26	3.61	95.13	.48	3.13	96.39	.94	6.01	93.05	.22	6.24	91.54	.47	6.79	90.74	12.15	5.40	82.45
Cohasset	.95	----	99.05	1.06	----	98.92	7.11	----	92.89	1.50	----	98.50	70.76	----	29.24	5.55	----	94.45
Dedham	2.15	3.82	94.03	1.99	3.42	94.59	2.59	3.95	93.46	40.44	2.97	56.59	80.54	1.97	17.49	66.96	1.47	31.57
Dover	6.84	2.34	90.82	7.01	2.59	90.40	6.87	3.21	90.12	11.32	2.54	86.14	4.21	3.52	92.27	5.91	3.79	90.30
Everett	-----	6.63	93.37	-----	5.69	94.31	-----	6.77	93.23	-----	6.29	93.71	-----	11.73	88.27	-----	4.13	95.87
Hingham	35.98	2.07	61.98	12.25	2.76	84.99	32.01	3.17	64.82	20.61	6.35	72.54	74.26	1.30	24.44	23.72	3.61	72.67
Hull	-----	2.71	97.29	-----	2.29	97.71	-----	4.91	95.09	-----	3.83	96.17	.04	3.11	96.85	-----	2.12	97.88
Lexington	5.04	----	94.96	8.00	----	92.00	14.57	----	85.43	14.10	----	85.90	11.68	----	88.32	49.71	.11	50.18
Lynn	1.18	4.57	94.25	1.25	4.29	94.46	1.24	7.81	90.95	10.70	6.23	81.07	1.17	8.36	90.47	20.86	4.63	74.51
Malden	.01	4.46	95.53	.03	4.22	95.75	.22	9.18	90.60	.01	11.91	88.08	3.36	5.67	90.95	16.62	3.20	80.18
Medford	.45	8.60	90.95	.22	4.11	95.67	13.08	5.62	81.30	.29	7.54	92.17	.39	9.69	89.72	3.40	6.74	89.86
Melrose	.32	3.10	96.58	.86	5.87	93.27	.27	5.67	94.06	.41	5.94	93.65	1.43	6.17	92.40	14.72	4.45	80.83
Milton	.89	4.21	94.90	37.21	1.85	60.94	26.41	3.95	69.64	15.76	3.97	80.25	14.43	5.06	80.49	64.61	1.53	33.86
Nahant	-----	2.57	97.43	-----	3.10	96.90	-----	5.77	94.23	-----	5.25	94.75	3.42	2.14	94.44	3.91	2.94	93.15
Needham	2.43	4.14	93.43	2.03	2.42	95.55	10.47	3.23	86.30	3.77	3.84	92.39	10.10	28.46	61.44	47.13	3.01	49.86
Newton	.04	4.22	95.74	.35	3.91	95.74	.11	5.93	93.96	3.08	5.09	91.83	59.63	2.72	37.65	8.19	2.36	89.45
Norwood	4.18	----	95.82	45.42	----	54.58	2.46	----	97.62	1.80	-----	98.20	63.45	-----	36.55	39.31	-----	60.69
Quincy	8.44	3.14	88.42	.52	3.73	95.75	8.31	14.35	77.32	9.16	5.87	84.95	5.87	6.60	85.53	38.69	2.91	60.40
Reading	8.68	----	91.32	26.90	----	73.08	5.23	-----	94.77	60.26	-----	39.74	18.68	-----	81.32	43.26	-----	56.74
Revere	2.96	2.21	95.43	3.87	3.16	92.97	6.18	11.08	82.74	7.49	4.83	87.68	46.27	21.58	32.15	64.55	12.95	22.10
Saugus	60.89	1.80	37.31	15.52	2.39	82.09	17.82	3.65	78.83	22.08	5.61	72.11	33.55	6.88	59.57	48.15	2.27	49.58
Somerville	.22	7.91	91.87	.78	8.08	91.14	9.96	8.90	81.12	.14	10.10	89.76	.13	9.02	90.85	13.73	4.68	81.59
Stoneham	10.84	4.40	84.76	4.42	5.34	90.24	2.40	6.00	91.60	39.33	1.61	59.06	14.07	3.55	82.38	31.90	2.74	65.36
Stoughton	69.18	----	30.82	19.25	----	80.75	13.55	-----	86.45	13.65	-----	86.45	32.50	-----	67.50	45.00	-----	55.00
Swampscott	5.15	2.99	91.86	2.02	4.51	93.47	1.64	5.70	92.66	4.41	6.53	89.06	4.86	5.97	89.17	7.04	3.96	89.00
Wakefield	1.64	3.85	94.21	3.84	2.76	93.40	-----	6.94	93.06	.86	6.19	93.15	10.74	4.75	84.51	.12	3.55	96.33
Walpole	9.40	----	90.60	64.47	----	35.53	9.42	-----	90.58	2.57	-----	97.43	18.16	-----	81.84	41.68	-----	58.32
Waltham	7.20	2.11	90.69	.19	4.16	95.65	.23	5.36	94.41	4.55	7.05	88.40	9.75	9.10	81.15	48.83	2.14	49.03
Watertown	12.37	2.22	85.41	.30	4.22	95.48	.30	5.14	94.56	3.62	5.52	90.86	6.65	7.54	85.81	11.43	15.65	72.92
Wellesley	.86	4.85	94.29	2.21	4.03	93.76	.63	7.46	92.11	31.47	4.46	64.08	86.93	.57	10.50	37.69	3.01	59.30
Weston	3.16	4.15	92.69	14.07	2.61	83.32	20.81	3.45	75.74	29.22	2.35	68.43	12.63	3.63	83.54	47.90	1.76	50.34
Westwood	8.86	1.81	89.33	57.69	.55	41.56	2.39	4.92	92.69	17.16	1.89	80.96	62.41	3.72	33.87	75.27	.94	23.79
Weymouth	9.17	3.08	87.75	7.11	3.26	89.61	33.27	2.35	64.38	24.99	11.00	64.01	20.36	4.41	75.23	57.19	1.89	40.92
Winchester	32.44	3.03	64.53	1.14	4.34	94.52	9.99	4.71	85.30	3.38	5.10	91.52	26.79	3.37	67.84	24.49	2.27	73.24
Winthrop	-----	6.40	93.60	-----	6.82	93.18	-----	7.70	92.30	-----	7.93	92.07	-----	5.33	94.67	-----	5.62	94.38
Woburn	35.61	2.13	62.26	4.64	4.85	90.51	9.86	5.36	84.98	9.30	4.65	86.15	-----	5.33	94.67	43.80	1.15	55.05
ZONE B - AVERAGE	7.20	3.85	88.95	7.83	3.70	88.47	6.64	7.11	86.25	8.55	6.59	84.86	33.07	5.62	61.31	29.46	3.69	66.83
ZONE C																		
Abington	10.72	----	89.28	54.09	----	45.91	9.62	----	90.38	55.60	-----	44.40	12.30	----	87.70	68.97	----	31.03
Avon	22.50	----	77.50	27.93	----	72.07	32.59	----	67.41	76.02	-----	24.98	19.99	----	80.01	66.43	----	33.57
Bedford	16.63	----	83.37	16.80	----	83.20	5.23	----	94.77	23.65	-----	76.35	23.04	----	76.96	43.17	----	56.83
Beverly	94.89	----	95.11	2.73	----	97.27	15.32	----	84.68	6.97	-----	93.03	4.45	----	95.55	25.45	----	74.55
Bridgewater	24.18	----	75.82	43.07	----	56.93	25.40	----	74.60	87.17	-----	12.83	20.06	----	79.94	36.16	----	63.82
Brockton	.81	----	99.19	6.95	----	93.05	17.22	----	82.78	1.00	-----	99.00	7.77	----	92.23	24.90	----	75.10
Burlington	26.54	----	73.46	70.30	----	29.70	28.53	----	71.47	33.41	-----	66.59	58.10	----	41.90	33.24	----	66.76
Concord	3.51	----	96.49	12.84	----	87.16	10.20	----	89.80	18.14	-----	81.86	18.93	----	81.07	39.61	----	60.39
Danvers	22.31	----	77.69	10.57	----	89.43	10.34	----	89.66	37.50	-----	62.50	15.65	----	84.35	42.50	----	57.50
East Bridgewater	12.59	----	87.41	17.41	----	82.59	22.35	----	77.65	27.86	-----	72.14	29.63	----	70.37	50.95	----	49.05
Easton	6.72	----	91.28	52.88	----	47.12	18.37	----	81.63	18.25	-----	81.75	38.61	----	61.39	40.25	----	59.75
Foxborough	8.45	----	91.55	20.15	----	79.85	6.13	----	93.87	21.47	-----	78.53	23.13	----	76.87	43.36	----	56.64
Framingham	6.86	----	93.14	5.36	----	94.62	4.94	----	95.06	8.06	-----	91.94	26.09	----	73.91	51.96	----	48.04
Gloucester	2.49	----	97.51	1.45	----	98.55	9.41	----	90.59	13.60	-----	86.40	6.49	----	93.51	25.67	----	74.33
Hanover	15.34	----	84.66	10.98	----	89.02	6.43	----	93.57	86.95	-----	13.05	25.28	----	74.72	21.93	----	78.07
Holbrook	16.07	----	83.93	23.97	----	76.03	20.23	----	79.77	27.88	-----	72.12	47.01	----	52.99	41.86	----	58.14
Lincoln	17.23	----	82.77	23.73	----	76.27	25.23	----	74.77	20.20	-----	79.80	23.87	----	76.13	50.01	----	49.99
Lynnfield	76.28	----	21.72	11.46	----	88.54	8.37	----	91.63	25.50	-----	74.50	50.07	----	49.93	51.72	----	48.28
Manchester	-----	----	100.00	-----	----	100.00	-----	----	100.00	.89	-----	99.11	.83	----	99.17	14.21	----	85.79
Mansfield	12.02	----	87.98	2.11	----	97.89	5.43	----	94.57	17.16	-----	82.84	23.18	----	76.82	61.00	----	39.00
Marblehead	4.70	----	93.30	5.00	----	95.00	-----	----	100.00	10.62	-----	89.38	10.88	----	89.12	4.70	----	95.30
Maynard	7.57	----	92.43	7.95	----	92.05	-----	----	100.00	-----	-----	100.00	-----	----	100.00	3.61	----	96.39
Medfield	6.99	----	93.01	18.75	----	81.25	23.88	----	76.12	23.97	-----	76.03	20.04	----	79.96	26.48	----	73.52
Natick	4.43	----	95.57	11.37	----	88.63	10.61	----	89.39	56.50	-----	43.50	16.25	----	83.75	56.28	----	43.72
Norwell	47.63	----	52.37	25.91	----	74.09	22.50	----	77.50	26.81	-----	73.19	27.53	----	72.47	53.19	----	46.81
Peabody	61.19	----	38.81	2.91	----	97.09	2.30	----	97.70	8.56	-----	91.44	6.91	----	93.09	29.50	----	70.50
Randolph	17.08	----	82.92	22.27	----	77.73	15.92	----	84.08	77.46	-----	22.54	27.68	----	72.32	69.15	----	30.85
Rockland	6.81	----	93.19	13.16	----	86.84	1.35	----	98.65	1.11	-----	98.89	19.44	----	80.56	22.37	----	77.63
Rockport	17.05	----	82.95	22.84	----	77.16	44.22	----	55.78	22.28	-----	77.72	3.02	----	96.98	3.82	----	96.18
Salem	.52	----	99.18	.55	----	99.45	5.67	----	94.33	2.65	-----	97.35	2.73	----	97.27	19.91	----	80.09
Scituate	9.13	----	90.87	31.84	----	68.16	3.63	----	96.37	6.64	-----	93.36	65.46	----	34.54	6.59	----	93.41
Sharon	12.15	----	87.85	11.34	----	88.66	9.66	----	90.34	6.03	-----	93.97	27.14	----	72.86	76.11	----	23.89
Sudbury	16.27	----	83.73	40.43	----	59.57	30.16	----	69.84	35.24	-----	64.76	43.71	----	56.29	53.25	----	46.75
Wayland	14.78	----	85.22	66.14	----	33.86	19.22	----	80.78	16.83	-----	83.17	21.96	----	78.05	46.43	----	53.57
West Bridgewater	12.75	----	87.25	27.75	----	72.25	52.25	----	47.75	28.04	-----	71.96	23.34	----	76.66	82.68	----	17.32
Whitman	4.87	----	95.13	4.23	----	95.77	9.65	----	90.16	1.98	-----	98.02	33.52	----	66.48	34.12	----	65.86
Wilmington	20.30	----	79.70	29.09	----	70.91	52.95	----	47.05	20.38	-----	79.62	26.55	----	73.45	51.02	----	46.98
ZONE C - AVERAGE	14.87	----	85.13	15.05	----	84.95	14.73	----	85.27	29.44	-----	70.56	20.53	----	79.47	39.19	----	60.81
ZONE D - AVERAGE	22.13	----	77.87	29.84	----	70.16	30.99	----	69.01	39.13	-----	60.87	34.61	----	65.39	43.66	----	56.32

*Note: - Exclusive of Expenditures by Special Acts.

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed Cons.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist. (89 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 18B

PERCENTAGE DISTRIBUTION OF

TOTAL HIGHWAY EXPENDITURES BY MUNICIPALITIES AND SOURCE OF FUNDS

EVERY THIRD YEAR FROM 1921 TO 1936

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	1921		1924		1927		1930		1933		1936	
	% of Total		% of Total		% of Total		% of Total		% of Total		% of Total	
	State	Local	State	Local	State	Local	State	Local	State	Local	State	Local
ZONE D												
Acton	28.87	71.13	35.78	64.22	28.83	71.17	32.91	67.09	39.73	60.27	59.29	40.71
Andover	27.99	72.01	29.53	70.47	4.75	95.25	35.12	64.88	9.94	90.06	48.93	51.07
Ashland	22.67	77.33	28.46	71.54	21.84	78.16	24.10	75.90	38.78	61.22	62.68	37.34
Attleboro	2.48	97.52	38.01	61.99	66.16	34.84	38.90	61.10	6.05	93.95	24.08	75.92
Ayer	13.42	86.58	8.22	91.78	60.20	39.80	19.07	80.93	29.49	70.51	71.84	28.16
Bellingham	31.60	68.40	33.54	66.46	56.88	43.12	36.54	64.46	35.13	64.87	60.45	39.65
Berlin	20.69	79.31	31.38	68.64	28.11	71.89	29.39	70.61	37.87	62.13	30.74	69.26
Billerica	43.15	56.85	12.07	87.93	25.22	74.72	55.67	44.13	35.07	64.93	49.45	50.55
Bolton	17.88	82.12	35.72	64.28	31.68	68.32	34.58	65.44	41.20	58.80	28.66	71.34
Boxborough	49.30	50.70	45.00	55.00	41.11	58.89	48.94	51.06	53.76	46.24	48.25	51.75
Carlisle	33.70	66.30	33.75	66.25	29.07	70.93	29.17	70.83	30.93	69.07	25.41	74.59
Chelmsford	22.18	77.82	64.28	35.72	48.95	51.05	13.80	86.20	36.65	63.35	78.91	21.09
Dracut	12.14	87.86	34.37	65.63	22.65	77.35	15.06	84.94	43.68	56.32	75.00	25.00
Dunstable	22.67	77.33	37.42	62.58	38.65	61.35	34.67	65.33	30.12	69.88	29.35	70.65
Duxbury	38.46	61.54	18.54	81.46	53.02	46.98	10.89	89.11	10.74	89.26	13.11	86.89
Essex	73.81	76.19	84.71	15.29	38.68	61.32	39.92	60.06	66.05	33.95	48.72	51.28
Franklin	14.96	85.04	12.33	87.67	43.36	56.64	15.89	84.11	16.54	83.46	10.66	89.34
Georgetown	-----	100.00	13.13	86.87	25.45	74.55	31.52	68.48	25.77	74.23	24.44	75.56
Groton	91.70	8.30	15.10	84.90	15.94	84.06	16.92	83.08	47.20	52.80	33.41	66.59
Groveland	70.95	79.05	29.42	70.58	34.77	65.23	23.54	76.46	23.97	76.03	58.22	41.78
Halifax	46.66	53.34	25.34	74.66	19.10	18.90	38.71	61.29	25.58	74.44	30.88	69.12
Hamilton	5.14	94.86	6.66	93.34	12.38	87.62	15.44	84.58	42.38	57.64	47.50	52.50
Hanson	13.48	86.52	17.29	82.71	27.42	72.58	21.78	78.22	18.28	81.72	15.97	84.03
Harvard	17.05	82.95	28.10	71.90	26.77	73.23	39.25	60.75	50.12	49.88	54.40	45.60
Haverhill	2.72	97.28	30.38	69.62	6.90	93.10	4.91	95.09	15.15	84.85	26.64	73.36
Holliston	21.46	78.54	30.30	69.70	56.16	43.66	25.49	74.51	37.93	62.07	47.31	52.69
Hopedale	2.01	97.99	1.47	98.53	1.64	98.46	20.22	79.78	6.14	93.86	37.59	62.41
Hopkinton	16.87	83.13	26.11	73.89	27.13	72.87	25.86	74.16	31.07	68.93	31.91	68.09
Hudson	11.26	88.74	9.58	90.44	1.91	98.09	11.87	88.13	37.02	62.98	22.57	77.43
Ipswich	19.58	80.42	61.68	38.34	10.20	89.80	65.19	44.81	57.61	42.39	45.46	54.54
Kingston	58.00	42.00	27.79	72.21	84.17	35.83	8.53	93.47	10.28	89.72	51.90	48.10
Lawrence	.15	99.85	2.47	97.53	.30	99.70	.73	99.27	.22	99.78	19.12	80.88
Littleton	89.06	10.94	32.75	67.25	33.32	66.68	53.68	46.32	40.72	59.28	66.20	34.80
Lowell	.97	99.03	9.70	90.30	.23	99.77	1.11	98.89	.65	99.35	17.64	82.36
Marlboro	8.47	91.53	21.41	78.59	13.06	86.94	10.04	89.98	12.91	87.09	22.16	70.84
Marshfield	18.80	81.20	10.14	89.86	71.20	28.28	19.07	80.93	13.18	86.82	11.43	88.57
Medway	16.97	83.03	18.84	81.16	27.96	72.04	24.44	75.56	17.59	82.41	25.24	74.76
Mendon	83.40	16.60	42.81	57.39	33.75	66.26	35.82	64.36	42.14	57.86	28.23	71.77
Merrimac	34.28	65.72	25.41	74.59	52.61	47.39	26.06	74.95	28.72	71.28	60.71	39.29
Methuen	2.72	97.28	38.83	61.17	9.16	90.84	8.71	93.29	11.86	88.16	44.58	55.42
Middleboro	15.08	84.92	40.15	59.85	18.44	81.88	86.33	14.67	72.27	27.73	34.82	65.18
Middleton	90.67	9.33	12.88	87.34	24.98	74.02	34.14	87.86	85.30	14.70	81.48	18.52
Milford	7.63	92.37	16.46	84.54	3.98	96.04	13.95	86.05	13.60	86.58	20.22	79.78
Millis	17.28	82.72	8.33	91.67	28.76	71.24	24.70	76.30	21.83	78.17	29.19	70.81
Newbury	46.51	53.49	30.63	69.37	40.29	59.71	93.56	6.44	88.97	11.03	56.42	43.58
Norfolk	17.77	82.23	37.94	62.06	25.40	74.60	27.46	72.54	27.95	72.05	35.66	64.34
North Andover	17.19	82.81	50.19	49.81	64.19	35.81	36.73	63.27	36.42	63.58	66.06	33.94
North Attleboro	4.90	95.10	73.76	26.24	29.75	70.26	73.13	26.87	22.10	77.90	33.70	66.30
Northborough	28.09	71.91	39.62	60.38	28.35	71.65	69.90	30.10	63.43	36.57	54.87	45.13
North Reading	23.17	76.83	62.57	37.43	26.26	73.74	25.68	74.32	32.02	67.98	48.09	51.91
Norton	37.92	62.08	43.46	56.55	38.21	61.79	55.80	44.20	50.51	49.19	58.54	41.46
Pembroke	14.49	85.51	75.15	24.85	35.22	64.78	58.86	41.12	32.85	67.15	32.81	67.19
Pleinville	51.48	48.52	45.28	54.72	28.63	71.37	28.89	73.11	40.69	59.31	49.28	50.72
Plympton	30.19	69.81	37.45	62.55	36.96	61.04	36.66	63.14	35.39	64.61	34.69	65.11
Raynham	41.30	58.70	50.05	49.95	66.31	30.69	29.93	70.07	98.58	4.42	76.34	24.66
Rowley	46.38	53.62	49.53	50.57	32.70	67.30	82.60	17.40	63.16	46.84	63.68	46.32
Sherborn	12.59	87.41	15.84	84.16	21.10	78.90	28.61	71.39	34.20	65.80	19.23	80.77
Southborough	6.26	93.75	13.99	86.01	26.02	73.98	82.80	17.20	34.37	65.63	58.83	41.17
Stow	23.88	76.12	21.37	78.63	69.20	30.80	29.61	70.39	30.21	69.79	23.40	76.60
Taunton	16.82	83.18	3.80	96.20	29.96	70.04	28.45	71.55	35.62	64.38	51.34	48.66
Tewksbury	5.66	94.34	18.19	81.81	21.88	78.42	25.98	74.02	46.18	53.82	74.19	25.81
Topsfield	14.35	85.65	22.03	77.97	30.94	69.06	83.07	16.93	36.43	63.57	37.80	62.20
Tyngsboro	58.49	43.51	90.53	9.47	28.74	71.28	42.94	57.06	44.22	55.78	55.63	44.47
Upton	89.32	10.68	48.10	51.90	31.43	68.57	74.43	25.57	40.82	59.18	38.73	61.27
Wenham	7.74	92.26	3.77	96.23	20.97	79.03	17.18	82.85	23.65	76.48	60.80	39.20
Westboro	22.80	77.20	21.71	78.29	6.16	93.84	76.14	21.86	37.30	62.76	43.04	59.96
Westford	27.64	72.36	19.47	80.53	49.70	50.30	23.32	76.68	32.88	67.12	65.64	44.36
West Newbury	35.25	64.75	35.37	64.63	34.76	65.26	37.77	62.23	66.66	13.34	62.36	37.64
Wrentham	32.06	67.95	50.42	49.68	87.00	13.00	64.11	46.89	37.57	62.43	62.94	37.06
ZONE D TOTAL	22.13	77.87	29.84	70.16	30.99	69.01	39.13	60.87	34.61	65.39	43.68	56.32

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 19

SUMMARY OF HIGHWAY EXPENDITURES

YEARLY TOTALS AND PERCENTAGE DISTRIBUTION BY ZONES AND SOURCE OF FUNDS

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

A. TOTAL EXPENDITURES

YEAR	ZONE A				ZONE B				ZONE C			ZONE D		
	State (Incl.Ch.90&81)	W.D.C.	Local	Total	State (Incl.Ch.90&81)	W.D.C.	Local	Total	State (Incl.Ch.90&81)	Local	Total	State (Incl.Ch.90&81)	Local	Total
1920	$ 2,144	$ 361,301	$5,810,368	$6,173,813	$ 373,775	$ 293,746	$7,357,971	$8,025,492	$ 432,806	$2,702,431	$3,135,237	$ 927,422	$3,706,979	$4,634,401
1921	5,051	387,556	6,188,067	6,580,676	568,101	314,143	7,265,528	8,167,772	480,691	2,750,950	3,231,641	1,144,050	4,026,062	5,170,112
1922	57,014	342,414	5,709,749	6,109,177	254,005	348,746	6,994,047	7,596,800	503,236	2,799,425	3,302,661	1,632,982	4,069,677	5,702,659
1923	1,866	465,936	5,344,371	5,813,173	735,318	457,763	8,279,545	9,472,626	946,282	2,892,457	3,838,719	1,270,723	4,457,979	5,728,702
1924	5,211	405,034	6,650,498	7,060,743	747,767	353,516	8,454,242	9,555,525	586,499	3,197,360	3,783,859	2,063,033	4,851,675	6,914,708
1925	2,626	493,876	7,635,516	8,132,018	620,944	436,299	8,659,469	9,716,712	407,166	3,190,725	3,597,881	1,675,964	5,389,025	7,264,989
1926	2,464	1,078,852	9,105,367	10,187,683	1,076,247	1,049,043	10,464,513	12,589,803	655,746	3,494,298	4,150,044	1,864,102	5,856,444	7,740,546
1927	883,361	1,043,597	7,315,178	9,243,136	1,440,238	914,803	11,098,145	13,453,186	585,436	3,389,888	3,975,324	2,272,861	5,060,976	7,333,859
1928	2,338	844,845	9,089,489	9,936,672	990,824	788,109	11,149,990	12,928,923	768,843	3,591,180	4,360,023	1,698,050	5,215,669	6,913,719
1929	61,743	1,324,940	7,618,518	9,005,201	975,803	2,864,087	13,544,543	17,404,433	1,054,797	3,996,318	5,051,115	2,221,135	5,675,924	7,897,059
1930	63,753	832,376	9,464,587	10,360,716	2,065,314	1,054,917	12,296,945	15,439,176	1,826,071	3,902,279	5,530,350	3,974,016	6,181,707	10,155,725
1931	4,170	470,800	8,361,957	8,836,927	1,129,317	555,352	11,189,496	12,874,165	1,054,601	4,065,142	5,119,743	6,393,087	6,028,134	12,421,221
1932	760,854	1,124,532	6,505,126	8,390,514	3,013,626	696,718	8,006,797	11,717,141	902,258	2,656,285	3,458,543	2,577,182	3,780,075	6,357,257
1933	154,356	503,154	4,781,994	5,489,504	4,335,957	796,354	8,620,069	11,752,420	617,525	2,330,175	2,947,700	1,911,294	3,611,289	5,522,583
1934	754,327	481,892	4,363,101	5,599,320	5,208,281	996,957	8,374,240	14,581,478	1,944,219	3,193,008	5,137,227	1,736,782	4,268,309	6,005,091
1935	953,057	376,031	5,610,882	6,939,970	4,869,679	472,503	9,392,907	14,525,289	1,795,901	3,434,159	5,230,060	3,220,743	4,446,336	7,667,079
1936	1,083,066	361,534	5,163,838	6,608,440	4,589,398	749,498	9,862,342	15,201,238	2,139,244	3,268,175	5,377,439	3,137,961	4,045,307	7,183,268

B. PERCENTAGE DISTRIBUTION

YEAR	ZONE A				ZONE B				ZONE C			ZONE D		
	State (Incl.Ch.90&81)	W.D.C.	Local	Total	State (Incl.Ch.90&81)	W.D.C.	Local	Total	State (Incl.Ch.90&81)	Local	Total	State (Incl.Ch.90&81)	Local	Total
	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1920	.04	5.85	94.11	100.00	4.66	3.66	91.68	100.00	13.80	86.20	100.00	20.01	79.99	100.00
1921	.08	5.89	94.03	100.00	7.20	3.85	88.95	100.00	14.87	85.13	100.00	22.12	77.87	100.00
1922	.93	5.61	93.46	100.00	3.34	4.59	92.07	100.00	15.24	84.76	100.00	28.64	71.36	100.00
1923	.03	8.03	91.94	100.00	7.76	4.83	87.41	100.00	24.65	75.35	100.00	22.18	77.82	100.00
1924	.07	5.74	94.19	100.00	7.83	3.70	88.47	100.00	15.05	84.95	100.00	29.84	70.16	100.00
1925	.03	6.07	93.90	100.00	6.39	4.49	89.12	100.00	11.32	88.68	100.00	25.82	74.18	100.00
1926	.02	10.59	89.39	100.00	8.55	8.33	83.12	100.00	15.80	84.20	100.00	24.34	75.66	100.00
1927	9.56	11.29	79.15	100.00	10.71	6.80	82.49	100.00	14.73	85.27	100.00	30.99	69.01	100.00
1928	.02	8.50	91.48	100.00	7.66	6.10	86.24	100.00	18.01	81.99	100.00	24.56	75.44	100.00
1929	.69	14.71	84.60	100.00	5.61	16.57	77.82	100.00	20.86	79.12	100.00	28.13	71.87	100.00
1930	.61	8.02	91.37	100.00	13.51	6.83	79.66	100.00	29.44	70.56	100.00	39.13	60.87	100.00
1931	.05	5.33	94.62	100.00	8.77	4.31	86.92	100.00	20.60	79.40	100.00	51.47	48.53	100.00
1932	9.07	13.40	77.53	100.00	25.72	5.95	68.33	100.00	26.09	73.91	100.00	40.54	59.46	100.00
1933	3.37	9.20	87.43	100.00	36.89	6.78	56.33	100.00	20.95	79.05	100.00	34.61	65.39	100.00
1934	13.47	8.61	77.92	100.00	35.72	6.85	57.43	100.00	37.85	62.15	100.00	28.96	71.04	100.00
1935	13.73	5.42	80.85	100.00	32.15	3.25	64.60	100.00	34.34	65.66	100.00	42.01	57.99	100.00
1936	16.39	5.47	78.14	100.00	30.19	4.93	64.88	100.00	39.22	60.78	100.00	43.68	56.32	100.00

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

Description of Zones
Zone A - Boston
Zone B - Balance of Met.Dist.(42 Municip.)
Zone C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
Zone D - Balance of30 Mile Radius Dist.(69 Municip.)

TABLE 20

A. HIGHWAY EXPENDITURES

WPA Project No. 18151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Boa
Co-Sponsors:-Metropolitan District Commissio
Boston City Planning Board

BY SOURCE OF FUNDS - RELATED TO ZONES, TO POPULATION AND TO ASSESSED VALUATION

Total State Expenditures Table - 10A	1920	%	Per Cap.	Per Million $ of Ass. Val.	1930	%	Per Cap.	Per Million $ of Ass. Val.	1935	%	Per Cap.	Per Million $ of Ass. Val.
Zone A	$ 2,144	.12	$ .003	1	$ 63,753	.82	$ .08	$ 32	$ 953,057	8.96	$1.17	$ 578
B	373,775	21.53	.40	313	2,085,314	26.90	1.78	1,036	4,669,879	43.89	3.88	2,376
C	432,806	24.93	1.34	1,202	1,628,071	21.01	4.62	3,345	1,795,901	16.88	4.95	3,812
D	927,422	53.42	1.78	1,667	3,974,018	51.27	7.61	6,082	3,220,743	30.27	6.01	5,455
Total	$1,736,147	100.00	$ .69	$ 472	$7,751,156	100.00	$2.74	$1,513	$10,639,580	100.00	$3.64	$2,275
M. D. C. Expenditures Table - 11A												
Zone A	$ 361,301	55.16	$ .48	$ 230	$ 832,376	44.10	$1.07	$ 422	$ 376,031	44.32	$ .46	$ 228
B	293,746	44.84	.31	246	1,054,917	55.90	.90	524	472,503	55.68	.39	240
Total	$ 655,047	100.00	$ .39	$ 237	$1,887,293	100.00	$ .97	$ 474	$ 848,534	100.00	$ .42	$ 235
Local Expenditures Table - 14												
Zone A	$5,810,368	29.68	$7.77	$3,695	$ 9,484,587	29.76	$12.14	$4,809	$ 5,610,882	24.53	$6.86	$3,401
B	7,357,971	37.58	7.86	6,167	12,298,945	38.59	10.48	8,112	9,382,907	41.02	7.79	4,775
C	2,709,431	13.80	8.35	7,504	3,902,279	12.25	11.06	8,016	3,434,159	15.01	9.47	7,289
D	3,706,979	18.94	7.13	6,664	6,181,707	19.40	11.83	9,461	4,446,336	19.44	8.29	7,531
Total	$19,577,749	100.00	$7.75	$5,317	$31,867,518	100.00	$11.26	$5,219	$22,874,284	100.00	$7.83	$4,891

NOTE
Refer to table 16 for data of tables 10A and 11A

B. HIGHWAY EXPENDITURES

BY ZONES - RELATED TO SOURCE OF FUNDS

	1920	%	1930	%	1935	%
Zone A						
Total State Expenditures - Table 10A	$ 2,144	.04	$ 63,753	.61	$ 953,057	13.73
M. D. C. Expenditures - Table 11A	361,301	5.85	832,376	8.02	376,031	5.42
Local Expenditures - Table 14	5,810,368	94.11	9,484,587	91.37	5,610,882	80.85
Grand Total	$ 6,173,813	100.00	$10,380,716	100.00	$6,939,970	100.00
Zone B						
Total State Expenditures - Table 10A	$ 373,775	4.66	$ 2,085,314	13.51	$4,669,879	32.15
M. D. C. Expenditures - Table 11A	293,746	3.66	1,054,917	6.83	472,503	3.25
Local Expenditures - Table 14	7,357,971	91.68	12,298,945	79.66	9,382,907	64.60
Grand Total	$ 8,025,492	100.00	$15,439,176	100.00	$14,525,289	100.00
Zone C						
Total State Expenditures - Table 10A	$ 432,806	13.80	$ 1,628,071	29.44	$ 1,795,901	34.34
M. D. C. Expenditures - Table 11A	-----	-----	-------	-----	-------	-----
Local Expenditures - Table 14	2,702,431	86.20	3,902,279	70.56	3,434,159	65.66
Grand Total	$ 3,135,237	100.00	$ 5,530,350	100.00	$ 5,230,060	100.00
Zone D						
Total State Expenditures - Table 10A	$ 927,422	20.01	$ 3,974,018	39.13	$ 3,220,743	42.01
M. D. C. Expenditures - Table 11A	-----	-----	-------	-----	-------	-----
Local Expenditures - Table 14	3,706,979	79.99	6,181,707	60.87	4,446,336	57.99
Grand Total	$ 4,634,401	100.00	$10,155,725	100.00	$ 7,667,079	100.00

SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

CHART NO. I TREND OF POPULATION, ASSESSED VALUATION AND HIGHWAY EXPENDITURES

W.P.A. PROJECT NO. 1815
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

KEY

POPULATION
ASSESSED VALUATION
HIGHWAY EXPENDITURES
STATE
CHAPTER 90 & 81
MET. DIST.
LOCAL

SCALE
POPULATION IN UNITS OF 100,000
EXPENDITURES IN MILLIONS OF DOLLARS

SCALE
ASSESSED VALUATION IN HUNDRED MILLION DOLLARS

ZONE A
BOSTON

VALUATION
POPULATION
LOCAL
MET. DIST.
STATE

ZONE B
BALANCE OF METROPOLITAN DISTRICT

POPULATION
LOCAL
VALUATION
MET. DIST.
STATE
CHAPTERS 90 & 81

ZONE C
BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT

POPULATION
LOCAL
VALUATION
STATE
CHAPTERS 90 & 81

ZONE D
BALANCE OF 30 MILE RADIUS DISTRICT

POPULATION
LOCAL
VALUATION
STATE
CHAPTERS 90 & 81

1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936

SURVEY BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

CHART I-A TREND OF HIGHWAY EXPENDITURES

W. P. A. PROJECT NO. 1815
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

LEGEND
ZONE A ——— ZONE B — — —
ZONE C — · — · — ZONE D ——o——

SCALE
MILLIONS OF DOLLARS

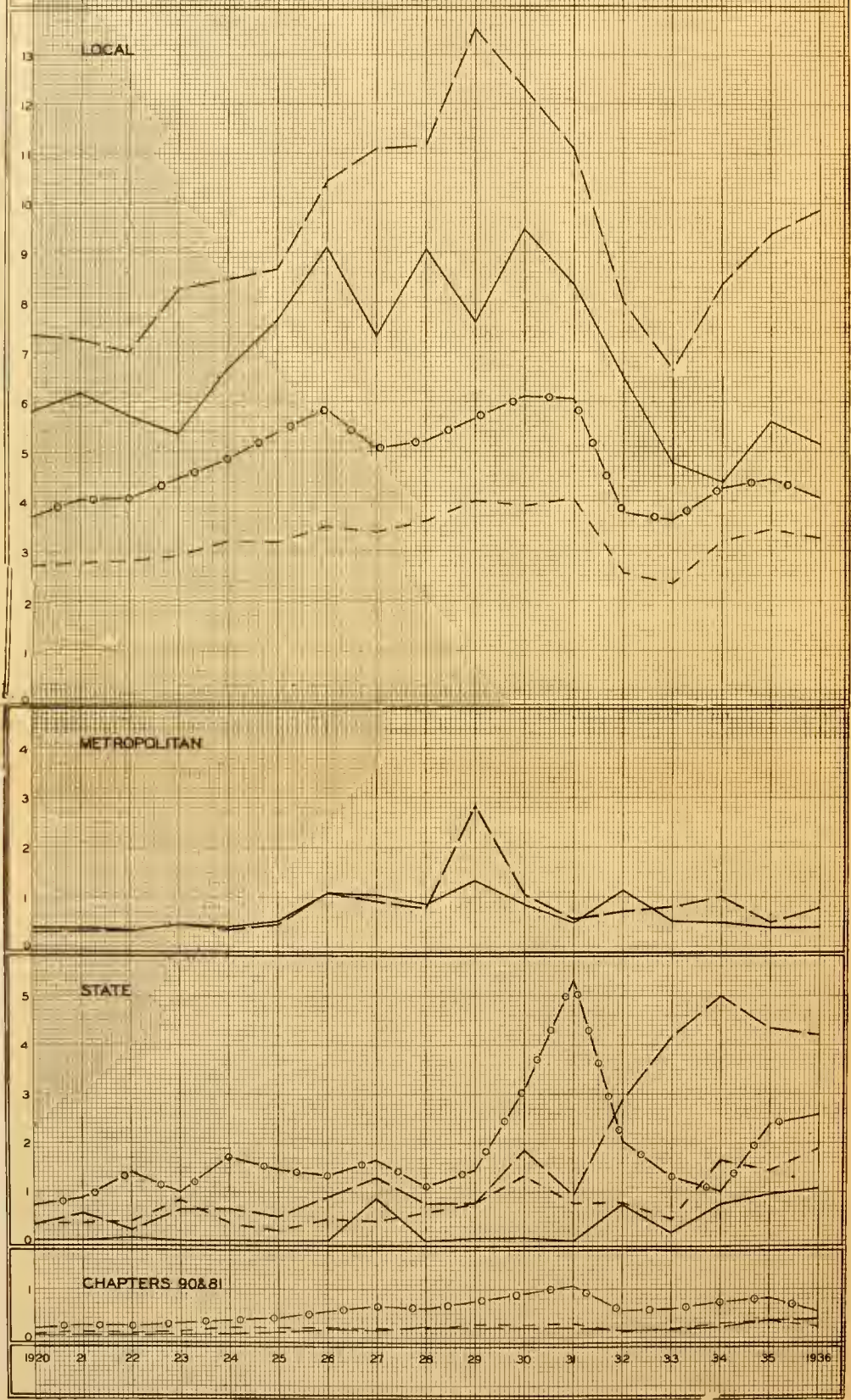
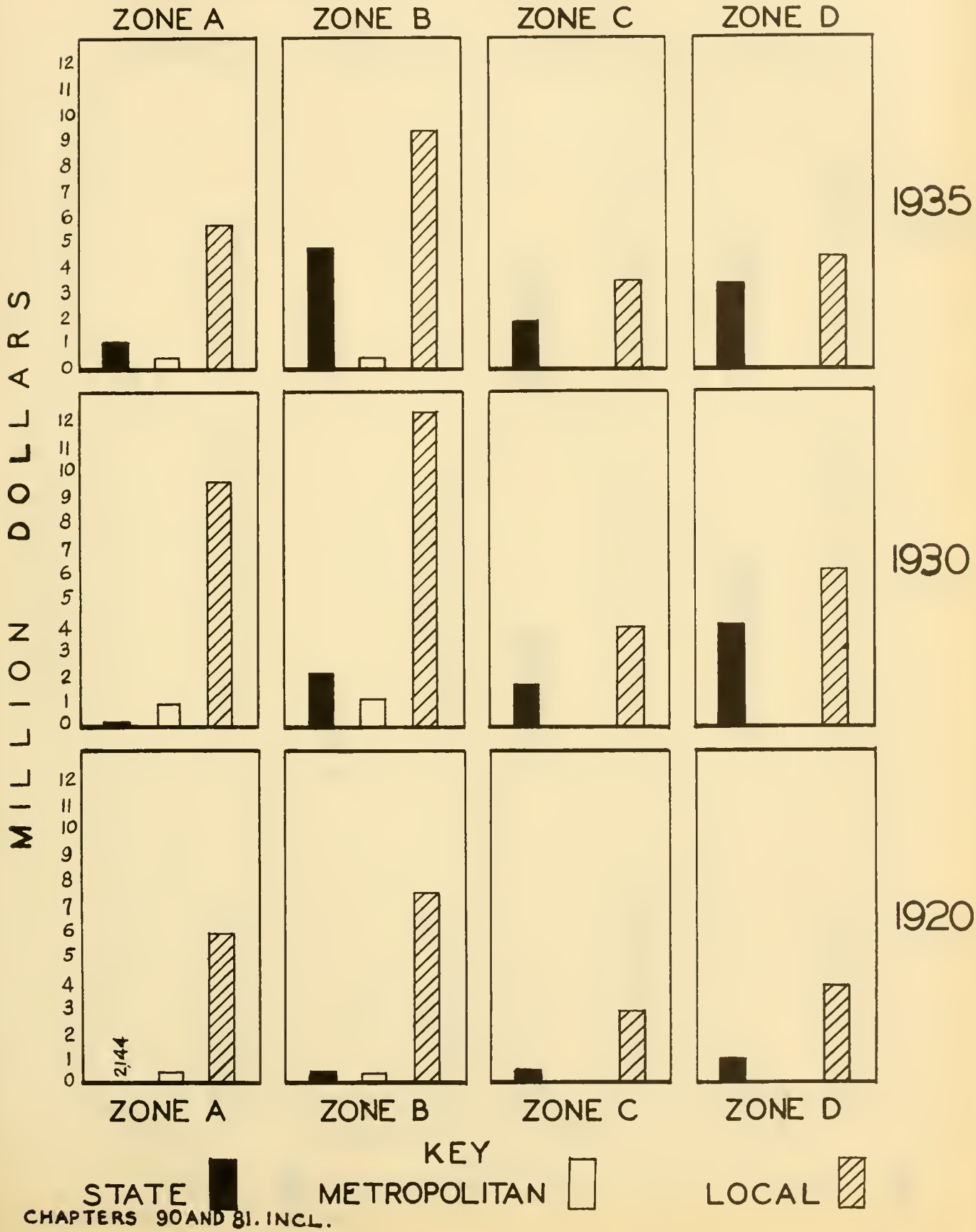
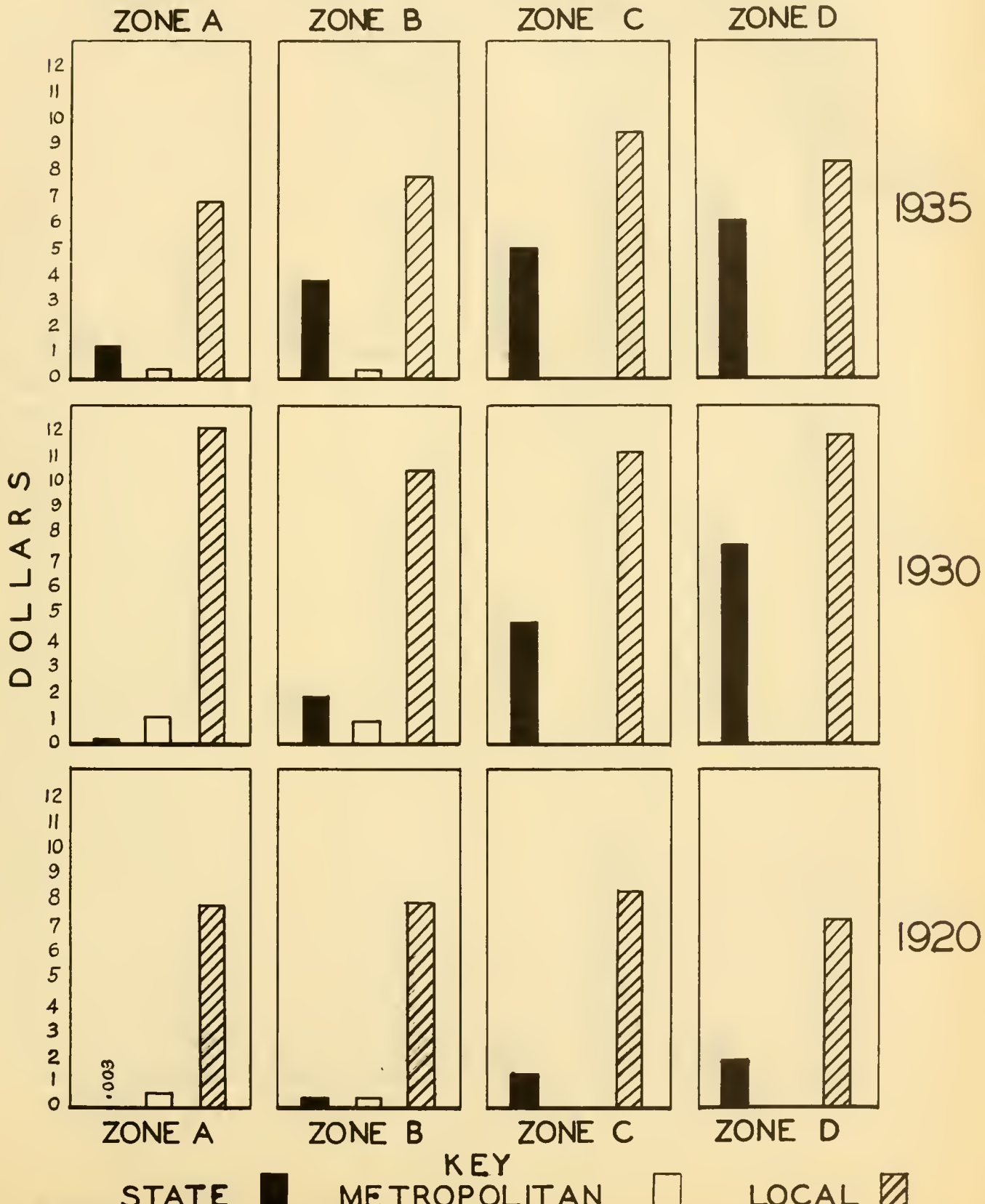


CHART NO. 2
HIGHWAY EXPENDITURES BY LOCAL, METROPOLITAN AND STATE GOVERNMENTAL UNITS



CHAPTERS 90 AND 81. INCL.

CHART NO. 3
PER CAPITA HIGHWAY EXPENDITURES BY LOCAL METROPOLITAN AND STATE GOVERNMENTAL UNITS



CHAPTERS 90 AND 81. INCL.

CHART NO. 4
HIGHWAY EXPENDITURES PER MILLION DOLLARS OF ASSESSED VALUATION

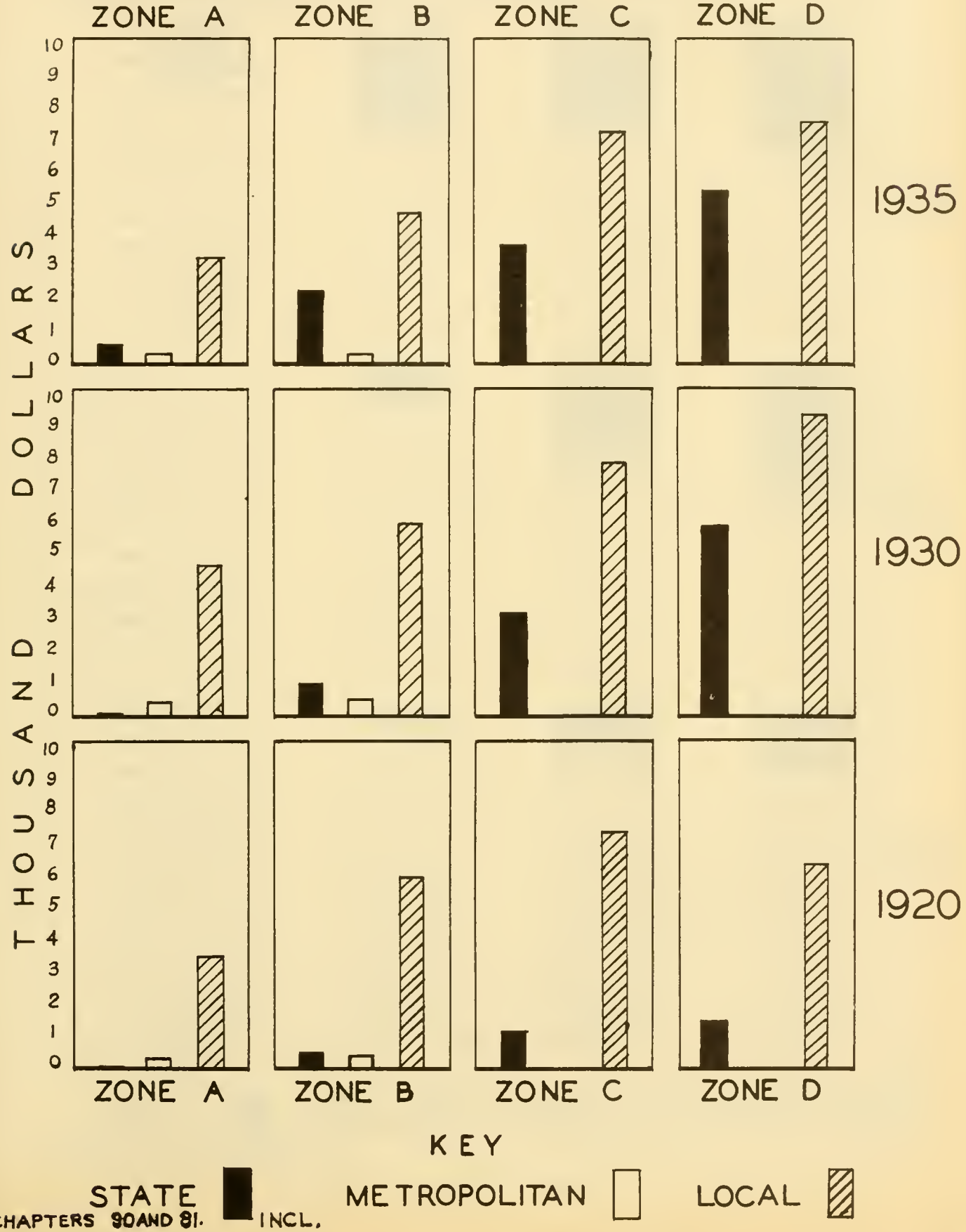
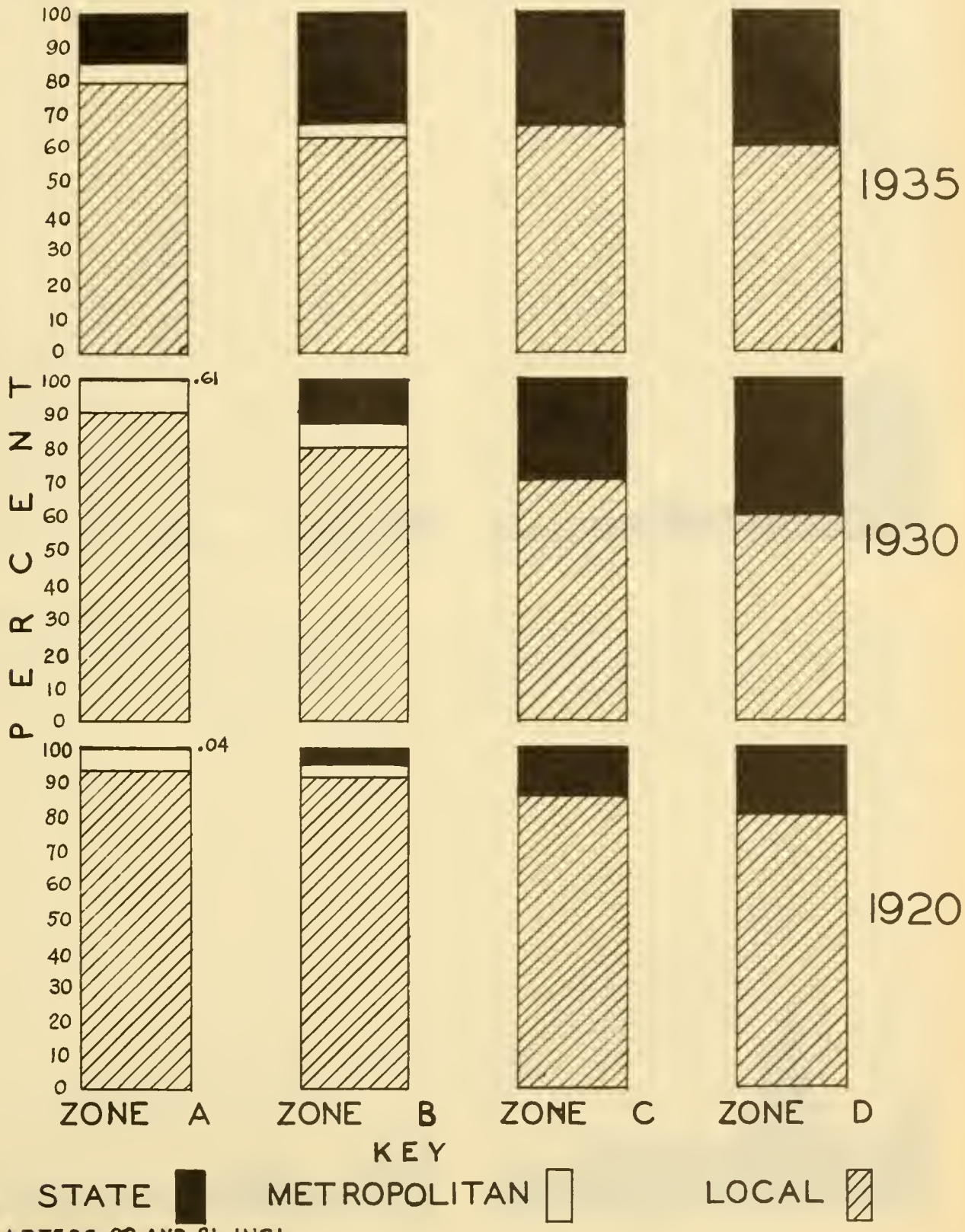


CHART NO. 5
PERCENTAGE OF HIGHWAY EXPENDITURES BY LOCAL METROPOLITAN AND STATE GOVERNMENTAL UNITS



CHAPTERS 90 AND 81. INCL.

CHART NO. 6
HIGHWAY EXPENDITURES BY STATE, METROPOLITAN AND LOCAL GOVERNMENTAL UNITS
1920—1936

ZONE A
ZONE B
ZONE C
ZONE D
MILLIONS OF DOLLARS
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
1920 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
KEY
STATE
INCL. CHAPTERS 90 & 81.
METROPOLITAN
LOCAL

CHART NO. 7

PERCENTAGE OF HIGHWAY EXPENDITURES BY LOCAL METROPOLITAN AND STATE GOVERNMENTAL UNITS

(1920 – 1936)

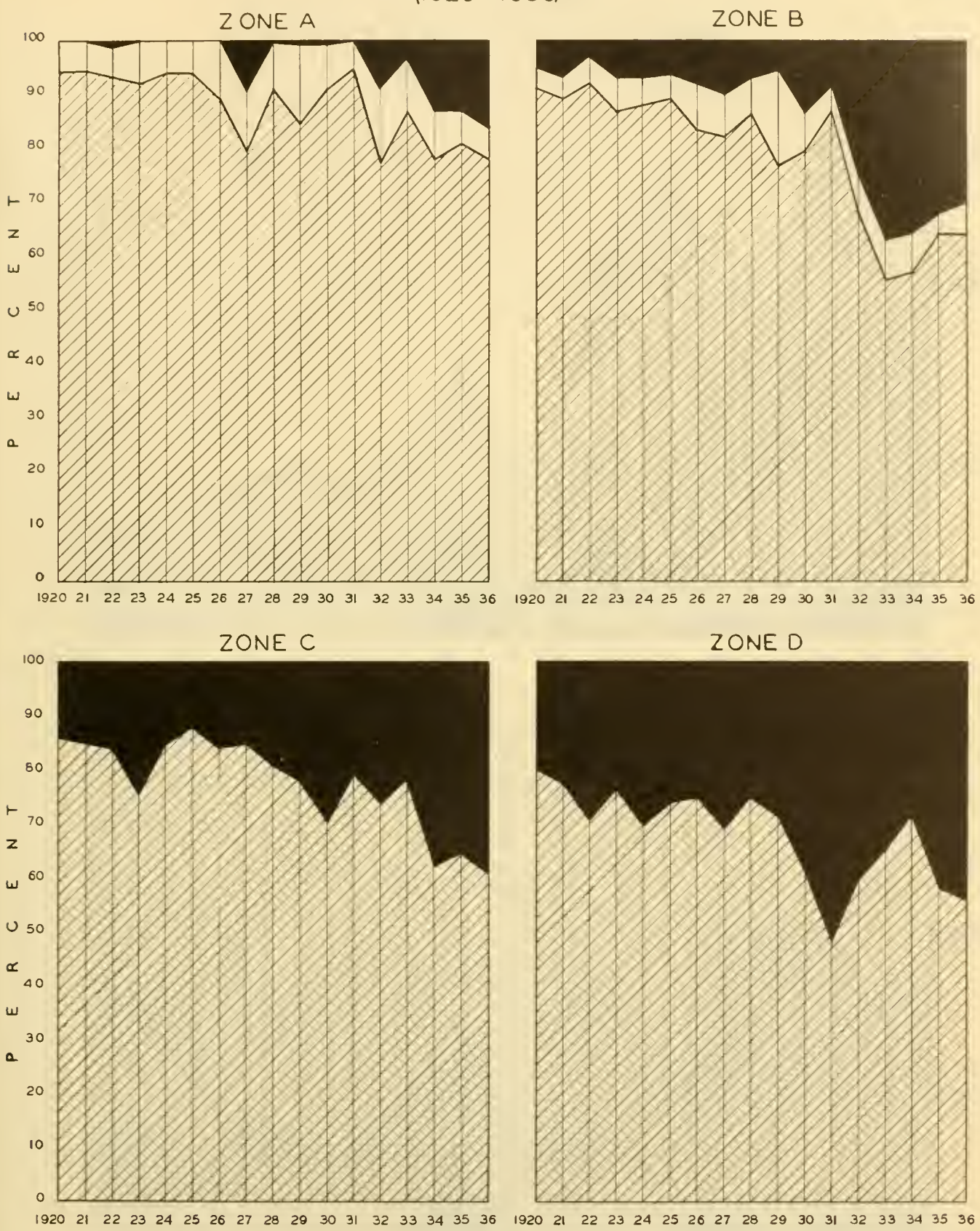
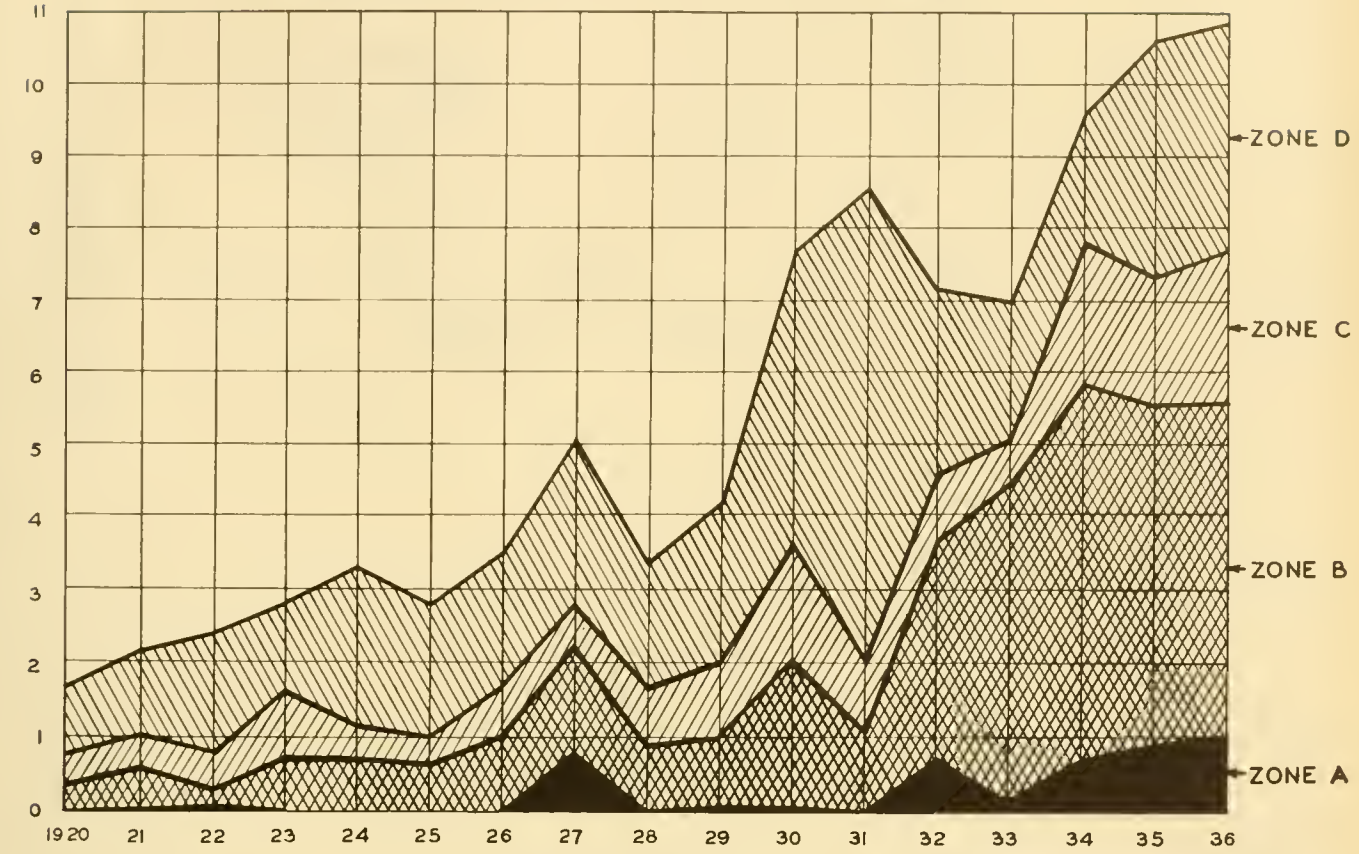


CHART NO. 8

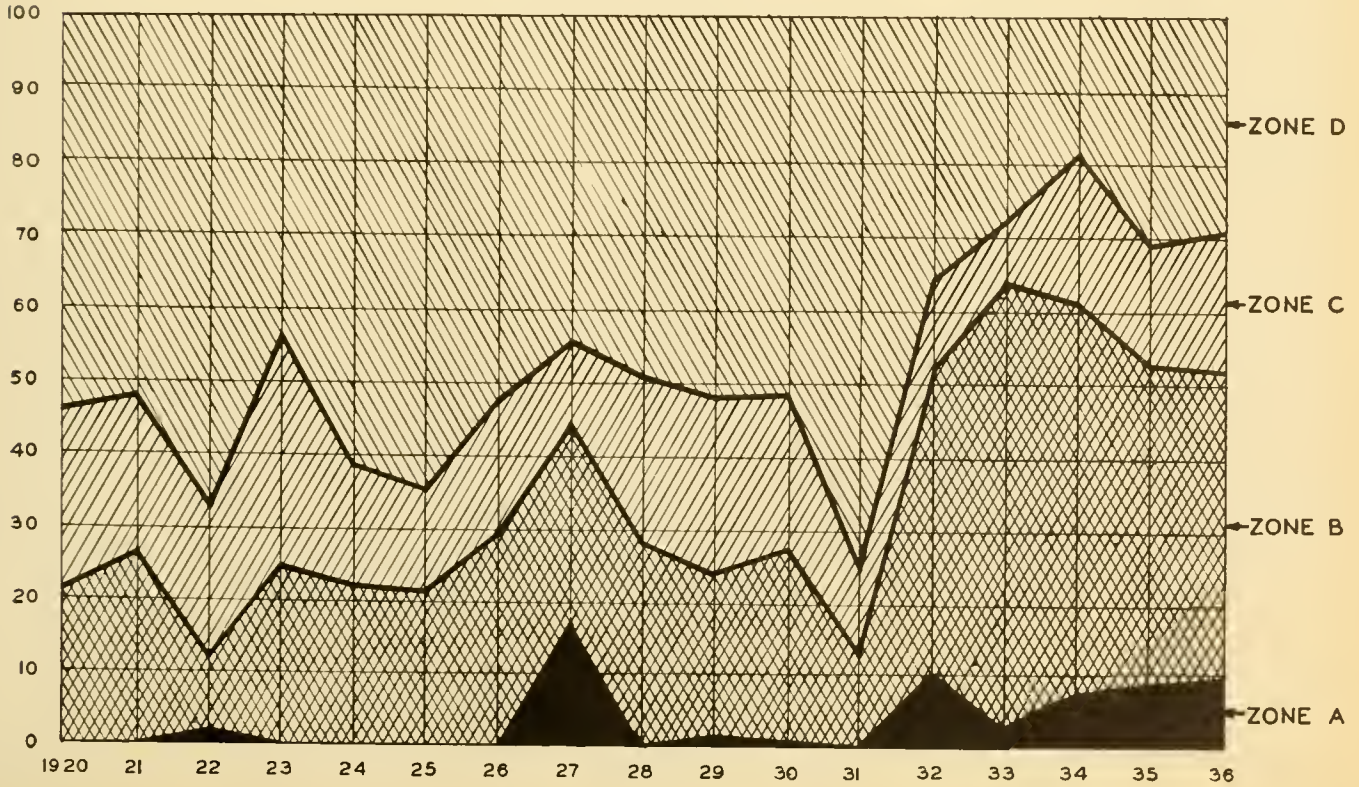
STATE HIGHWAY EXPENDITURES BY ZONES

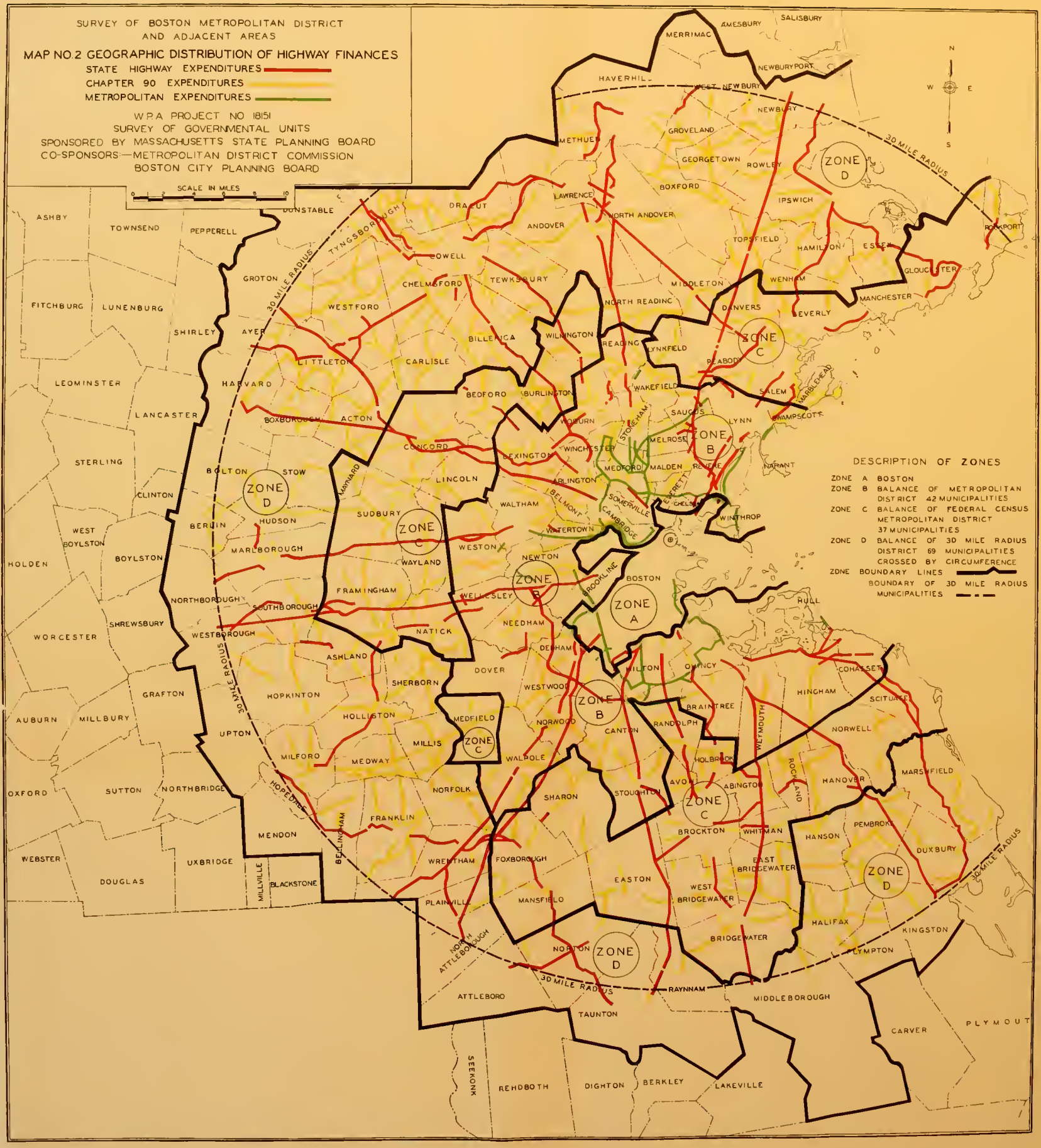
1920 — 1936

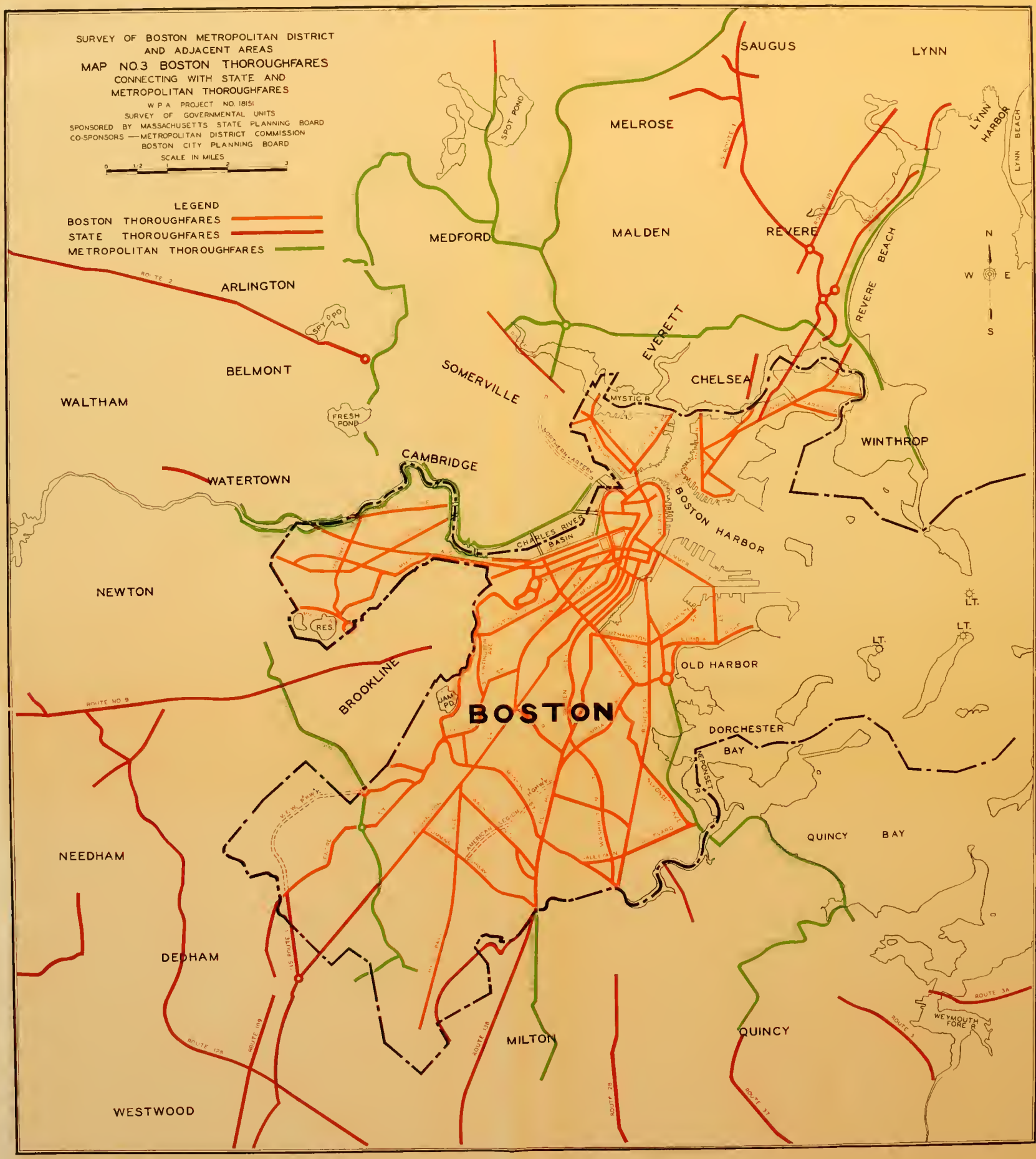
AMOUNTS IN MILLIONS OF DOLLARS



PERCENTAGES




SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS
MAP NO. 2 GEOGRAPHIC DISTRIBUTION OF HIGHWAY FINANCES
STATE HIGHWAY EXPENDITURES
CHAPTER 90 EXPENDITURES
METROPOLITAN EXPENDITURES
W.P.A. PROJECT NO 1815
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS:—METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD
SCALE IN MILES
DESCRIPTION OF ZONES
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES
30 MILE RADIUS
ZONE A
ZONE B
ZONE C
ZONE D
BOSTON
CAMBRIDGE
SOMERVILLE
BROOKLINE
NEWTON
WATERTOWN
BELMONT
ARLINGTON
WINCHESTER
MEDFORD
MALDEN
MELROSE
REVERE
CHELSEA
WINTHROP
EVERETT
STONEHAM
WOBURN
SAUGUS
LYNN
SWAMPSCOTT
MARBLEHEAD
SALEM
PEABODY
WAKEFIELD
LYNNFIELD
READING
WILMINGTON
NORTH READING
DANVERS
BEVERLY
MANCHESTER
MIDDLETON
TOPSFIELD
HAMILTON
ESSEX
GLOUCESTER
WENHAM
ROCKPORT
IPSWICH
BOXFORD
NORTH ANDOVER
ANDOVER
LAWRENCE
METHUEN
GROVELAND
GEORGETOWN
ROWLEY
NEWBURY
WEST NEWBURY
NEWBURYPORT
HAVERHILL
MERRIMAC
AMESBURY
SALISBURY
TYNGSBOROUGH
DRACUT
DUNSTABLE
TOWNSEND
PEPPERELL
ASHBY
GROTON
CHELMSFORD
TEWKSBURY
LOWELL
WESTFORD
BILLERICA
CARLISLE
LITTLETON
AYER
SHIRLEY
FITCHBURG
LUNENBURG
LEOMINSTER
HARVARD
BEDFORD
BURLINGTON
ACTON
BOXBOROUGH
LANCASTER
CONCORD
LEXINGTON
LINCOLN
MAYNARD
STERLING
BOLTON
STOW
CLINTON
BERLIN
HUDSON
SUDBURY
WALTHAM
WESTON
WAYLAND
MARLBOROUGH
WEST BOYLSTON
BOYLSTON
HOLDEN
FRAMINGHAM
NATICK
NEEDHAM
DEDHAM
WELLESLEY
NORTHBOROUGH
SOUTHBOROUGH
WESTBOROUGH
SHREWSBURY
WORCESTER
ASHLAND
DOVER
SHERBORN
HOPKINTON
GRAFTON
AUBURN
MILLBURY
HOLLISTON
MEDFIELD
MILLIS
MILFORD
MEDWAY
UPTON
WESTWOOD
NORWOOD
WALPOLE
NORFOLK
SHARON
FRANKLIN
MENDON
OXFORD
SUTTON
NORTHBRIDGE
WEBSTER
UXBRIDGE
DOUGLAS
BLACKSTONE
MILLVILLE
HOPEDALE
BELLINGHAM
MILTON
QUINCY
CANTON
RANDOLPH
BRAINTREE
HOLBROOK
AVON
ABINGTON
STOUGHTON
BROCKTON
WHITMAN
EAST BRIDGEWATER
WEST BRIDGEWATER
EASTON
MANSFIELD
PLAINVILLE
WRENTHAM
FOXBOROUGH
NORTON
ATTLEBORO
NORTH ATTLEBOROUGH
TAUNTON
RAYNHAM
BRIDGEWATER
MIDDLEBOROUGH
HALIFAX
LAKEVILLE
BERKLEY
DIGHTON
REHOBOTH
SEEKONK
CARVER
PLYMOUTH
KINGSTON
PLYMPTON
DUXBURY
PEMBROKE
HANSON
HANOVER
MARSHFIELD
NORWELL
SCITUATE
COHASSET
HINGHAM
HULL
ROCKLAND
WEYMOUTH


SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS
MAP NO.3 BOSTON THOROUGHFARES
CONNECTING WITH STATE AND
METROPOLITAN THOROUGHFARES
W P A PROJECT NO. 18151
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS — METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD
SCALE IN MILES
0 1/2 1 2 3
LEGEND
BOSTON THOROUGHFARES
STATE THOROUGHFARES
METROPOLITAN THOROUGHFARES
SAUGUS
LYNN
LYNN HARBOR
LYNN BEACH
SPOT POND
MELROSE
MEDFORD
MALDEN
REVERE
REVERE BEACH
N
W
E
S
ROUTE 2
ARLINGTON
SPY POND
BELMONT
WALTHAM
FRESH POND
SOMERVILLE
EVERETT
CHELSEA
MYSTIC R
WINTHROP
CAMBRIDGE
WATERTOWN
NORTHERN ARTERY
CHARLES RIVER BASIN
BOSTON HARBOR
NEWTON
RES.
LT.
LT.
LT.
OLD HARBOR
BROOKLINE
JAM. PD.
BOSTON
DORCHESTER BAY
NEPONSET R
ROUTE NO 9
QUINCY BAY
NEEDHAM
DEDHAM
ROUTE 1
ROUTE 109
ROUTE 128
ROUTE 138
MILTON
ROUTE 28
QUINCY
ROUTE 3A
WEYMOUTH FORE R
ROUTE 3
ROUTE 37
WESTWOOD

Phase III

Traffic Survey

SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

MAP NO 4 SELECTED RADIAL TRAFFIC ROUTES

TRAFFIC COUNTS ON THESE ROUTES AT ZONE BOUNDARIES
USED TO DETERMINE TOTAL TRAFFIC ORIGIN BY ZONES

W P A PROJECT NO 1815
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS — METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 21

TOTAL VOLUME OF TRAFFIC AT ZONE BOUNDARIES

BY ROUTES AND YEARS

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Radial Route	ZONE A — Boston City Line or Comparable Point — Route number or Traffic Point	Volume 1909**	1918**	1927	1933**	1936**	ZONE B — Outer Border of Met. Dist. — Route Number	Volume 1909	1918	1927	1933	1936
A	Chelsea & Bennington Sts.at Day Sq.	617	2415	8818	17444	22296	1A	707	3000*	7471	11959	13979
	Chelsea St. at Medford St. Charlestown	1786	7653	25511	26923	27716	129	----	----	----	9473	6100
	Alford St. at Sullivan Sq.	966	4224	14080	18686	21592	107	260*	955	10793	11050	13029
B	Mystic Ave. at Sullivan Sq.	1002	4293	14311	24552	25204	1	250*	2000*	8305	13318	17135
C	Dam at Charles Street	393	1664	5614	16316	20572	28	246	1690	6523	11181	13640
D	Longfellow Bridge at Charles St.	1362	5836	19452	26388	30290	38	396	3000*	4000*	2779	3289
E	Mass. Ave. at Beacon St.	2167	9244	30812	33357	34788	3	471	3000*	6174	6475	6850
F	Cottage Farm Bridge at Comm. Ave.	1622	6953	23176	29632	33263	25	----	----	----	----	----
	(NOTE:- (For Zone A the above traffic)						4	----	----	----	6881	11564
	(points are the equivalent of radial)											
G	(routes A to G incl. in other zones,)						2	443	1202	4349	7230	9523
H	Comm. Ave. at Cottage Farm Bridge	2656	11382	37944	42948	45762	117	250*	----	----	1786	1565
	Bay State Road at Ashby St.	526	2263	7543	12486	15173	20	1192	4000*	10189	5135	7670
	Beacon Street at Kenmore Sq.	1548	6636	22120	20181	19091						
I	Route 9 at Brookline Village	1175	5038	16792	20091	21946	9	----	----	----	12219	16740
	Brookline Ave. at Riverway	471	2019	6728	12446	15663						
J	Spring St. at Temple St.	633	2284	7612	6881	6470	109	230	----	1940	3166	2961
	Wet. of For. Ware-Route 1	----	----	----	5373	8395	1A	474	1192	5766	2679	3105
	Washington St. at Grove St.	378	1618	5393	5982	6313	11	----	----	----	----	----
							1	----	----	----	6133	9406
F	Wattaman Square (28-138)	1901	8148	27160	24685	23293	138	513	921	7152	6727	7265
I							28	177	2500*	4847	7739	9660
							58&18	250*	250*	3483	3864	6372
M	Neponset Ave. at Neponset Br. Route 3	1761	7549	25163	32018	35874	3	260*	730	5629	8646	8095
							3A	484	1934	4423	4692	3465
TOTAL		20676	89469	298229	376533	423703		6563	27254	91044	143082	171613

* Estimated
** No counts for these years available for Zone A Boundary. The 1927 counts are developed from 1927 counts in Robert Whitten's Report on a Thoroughfare Plan for Boston, published by the City Planning Board in 1930. The counts for the other years are developed from these 1927 counts and from Boston Traffic Commission counts in 1938. For method of developing these counts see the text.

Radial Route	ZONE C — Outer Border of Fed. Census Met. Dist. — Route Number	Volume 1909	1918	1927	1933	1936	ZONE D — Border of 30 Mile Radius — Route Number	Volume 1909	1918	1927	1933	1936
A	1A	529	2044	3748	5605	6919	1A	393	2000*	2964	5110	6381
	22	----	----	----	2933	4570						
B	1	250*	964	6311	11540	12579	1	250*	2000*	10799	10991	11915
C	28	246	1590	6523	11181	13640	28	----	----	----	6596	6616
D	38	283	1500*	3219	3685	3674						
E	3	243	1500*	6000*	6695	8105	3	297	1440	5830	6405	7326
F	25	----	----	----	1256	976						
	4	----	----	----	5851	5199						
G							119	----	----	1717	2319	2929
	2	291	2052	4827	6954	7906	2	188	2000*	3702	3359	4372
H	117	214	----	----	1243	1144	117	100	----	----	777	390
	20	393	3000*	8000*	4021	4510	20	578	2364	7934	4269	4746
I	9	----	----	----	10085	16045	9	----	----	----	9917	14152
J	11	----	----	----	----	----	11	----	----	----	1467	1990
	1	----	----	----	5538	9295	1	413	1100*	6880	6937	6841
	1A	474	1192	5766	2679	3105						
	109	230	----	1940	2533	3140						
K	138	300*	800*	5000*	5726	7031	138	195	800*	3455	5747	7044
L	28	100*	2000*	4500*	7511	9007	28	100*	2000*	4000*	7565	6002
M	58&18	----	----	----	1826	2852	58&18	----	----	----	1032	1600
	3	200*	650*	5000*	5666	5920	3	400*	500*	3859	4242	4813
	3A	400*	1000*	2500*	3315	4699	3A	----	----	----	1715	2081
TOTAL		4153	18292	63334	105163	130316		2914	14224	53140	79448	89220

* Estimated
NOTE:- Traffic Count represents total traffic both directions

TABLE 22

TRAFFIC ORIGIN BY ZONES

1909

RADIAL ROUTE	ZONE A Traffic at Boundary	ZONE B Traffic at Boundary	Traffic Originating in ZONE B Cols. (2-3)	ZONE C Traffic at Boundary	Traffic Originating in ZONE C Col. (3-5)	ZONE D Traffic at Boundary	Traffic Originating in ZONE D Col. (5-7)
Col.1	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7	Col.8
A		957		529	428	393	136
B		250		250	---	250	---
C		246		246	---	---	246
D		396		283	113	---	283
E		471		243	228	297	-54
F		---		---	---	---	---
G		443		291	152	188	103
TOTAL	9925	2763	7162	1842	921	1128	714
H	4732	1442	3290	607	835	678	-71
I	1646	---	1646	---	---	---	---
J	911	704	207	704	---	413	291
TOTAL	7289	2146	5143	1311	835	1091	220
K		513	---	300	213	195	105
L		177	---	100	77	100	---
TOTAL	1901	690	1211	400	290	295	105
M	1761	984	777	600	384	400	200
GRAND TOTAL	20876	6583	14293	4153	2430	2914	1239

TABLE 23

TRAFFIC ORIGIN BY ZONES

1918

RADIAL ROUTE	ZONE A Traffic at Boundary	ZONE B Traffic at Boundary	Traffic Originating in ZONE B Col.(2-3)	ZONE C Traffic at Boundary	Traffic Originating in ZONE C Cols.(3-5)	ZONE D Traffic at Boundary	Traffic Originating in ZONE D Cols.(5-7)
Col.1	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7	Col.8
A		4935		2044	2891	2000	44
B		2000		964	1036	2000	-1036
C		1590		1590	---	---	1590
D		3000		1500	1500	---	1500
E		3000		1500	1500	1440	60
F							
G		1202		2052	-850	2000	52
TOTAL	42532	15727	26805	9650	6077	7440	2210
H	20281	4000	16281	3000	1000	2384	616
I	7057	---	7057	---	---	---	---
J	3902	1192	2710	1192	---	1100	92
TOTAL	31240	5192	26048	4192	1000	3484	708
K		921	---	800	121	800	---
L		2500	---	2000	500	2000	---
TOTAL	8148	3421	4727	2800	621	2800	---
M	7549	2914	4635	1650	1264	500	1150
GRAND TOTAL	89469	27254	62215	18292	8962	14224	4068

TABLE 24

TRAFFIC ORIGIN BY ZONES

1927

RADIAL ROUTE	ZONE A Traffic at Boundary	ZONE B Traffic at Boundary	Traffic Originating in ZONE B Cols.(2-3)	ZONE C Traffic at Boundary	Traffic Originating in ZONE C Cols.(3-5)	ZONE D Traffic at Boundary	Traffic Originating in ZONE D Cols.(5-7)
Col.1	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7	Col.8
A		18264		3748	14516	2964	784
B		8305		6311	1994	10799	-4488
C		6523		6523	---	---	6523
D		4000		3219	781	---	3219
E		6174		6000	174	5830	170
F							
G		4349		4827	-478	5419	-592
TOTAL	141774	47615	94159	30628	16987	25012	5616
H	67607	10189	57418	8000	2189	7934	66
I	23520	---	23520	---	---	---	---
J	13005	7706	5299	7706	---	8880	-1174
TOTAL	104132	17895	86237	15706	2189	16814	-1108
K		7152	---	5000	2152	3455	1545
L		4847	---	4500	347	4000	500
TOTAL	27160	11999	15161	9500	2499	7455	2045
M	25163	13535	11628	7500	6035	3859	3641
GRAND TOTAL	298229	91044	207185	63334	27710	53140	10194

TABLE 25

TRAFFIC ORIGIN BY ZONES

1933

RADIAL ROUTE	ZONE A Traffic at Boundary	ZONE B Traffic at Boundary	Traffic Origin in ZONE B Cols.(2-3)	ZONE C Traffic at Boundary	Traffic Origin in ZONE C Cols.(3-5)	ZONE D Traffic at Boundary	Traffic Origin in ZONE D Cols.(5-7)
Col.1	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7	Col.8
A		32432		8538	23894	5110	3428
B		13318		11540	1778	10991	549
C		11181		11181	---	6596	4585
D		2779		3685	-906	---	3685
E		6475		6695	-220	6405	290
F		6881		7107	-226	---	7107
G		7230		6254	976	5678	576
TOTAL	195502	80296	115206	55000	25296	34780	20220
H	75555	6921	68634	5284	1637	5046	238
I	32537	12219	20318	10085	2134	9917	168
J	18236	11978	6258	10750	1228	8404	2346
TOTAL	126328	31118	95210	26119	4999	23367	2752
K		6727	---	5726	1001	6747	-1021
L		7739	---	7511	228	7565	-54
TOTAL	24685	14466	10219	13237	1229	14312	-1075
M	32018	17202	14816	10807	6395	6989	3818
GRAND TOTAL	378533	143082	235451	105163	37919	79448	25715

TABLE 26

TRAFFIC ORIGIN BY ZONES

1936

RADIAL ROUTE	ZONE A Traffic at Boundary	ZONE B Traffic at Boundary	Traffic Origin in ZONE B Cols.(2-3)	ZONE C Traffic at Boundary	Traffic Origin in ZONE C Cols.(3-5)	ZONE D Traffic at Boundary	Traffic Origin in ZONE D Cols.(5-7)
Col.1	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7	Col.8
A		33108		11489	21619	6381	5108
B		17135		12579	4556	11915	664
C		13640		13640		6618	7022
D		3289		3674	-385		3674
E		6850		8105	-1255	7326	779
F		11564		6175	5389		6175
G		9523		7906	1617	7301	605
TOTAL	225723	95109	130614	63568	31541	39541	24027
H	80026	9435	70591	5654	3781	5136	518
I	37609	16740	20869	16045	695	14152	1893
J	21178	15472	5706	15540	-68	8851	6689
TOTAL	138813	41647	97166	37239	4408	28139	9100
K		7265		7031	234	7044	-13
L		9660		9007	653	6002	3005
TOTAL	23293	16925	6368	16038	887	13046	2992
M	35874	17932	17942	13471	4461	8494	4977
GRAND TOTAL	423703	171613	252090	130316	41297	89220	41096

TAPLE 27

TRAFFIC ORIGIN BY YEARS AND ZONES

YEAR	ZONE A Traffic at Boundary	ZONE B Traffic at Boundary	Traffic Origin in ZONE B Cols. (2-3)	ZONE C Traffic at Boundary	Traffic Origin in ZONE C Cols.(3-5)	ZONE D Traffic at Boundary	Traffic Origin at ZONE D Cols.(5-7)
Col.1	Col.2	Col.3	Col.4	Col.5	Col.6	Col.7	Col.8
1909	20876	6583	14293	4153	2430	2914	1239
1918	89469	27254	62215	18292	8962	14224	4068
1927	298229	91044	207185	63334	27710	53140	10194
1933	378533	143082	235451	105163	37919	79448	25715
1936	423703	171613	252090	130316	41297	89220	41096

TABLE 28

A. SUMMARY OF TOTAL VOLUME OF TRAFFIC AT ZONE BOUNDARIES

BY YEARS

AND PERCENTAGE COMPARISON WITH 1936

YEAR	Traffic at ZONE A Boundary		Traffic at ZONE B Boundary		Traffic at ZONE C Boundary		Traffic at ZONE D Boundary	
	No.	% of 1936	No.	% of 1936	No.	% of 1936	No.	% of 1936
1909	20876	5	6583	4	4153	3	2914	3
1918	89469	21	27254	16	18292	14	14224	16
1927	298229	70	91044	53	63334	49	53140	60
1933	378533	89	143082	83	105163	81	79448	89
1936	423703	100	171613	100	130316	100	89220	100

B. SUMMARY OF TOTAL VOLUME OF TRAFFIC ACCORDING TO ZONE ORIGIN

BY YEARS

AND PERCENTAGE COMPARISON WITH 1936

YEAR	Traffic Originating in ZONE A		Traffic Originating in ZONE B		Traffic Originating in ZONE C		Traffic Originating in ZONE D		Traffic at ZONE D Boundary	
	No.	% of 1936	No.	% of 1936	No.	% of 1936	No.	% of 1936	No.	% of 1936
1909	20876	5	14293	6	2430	6	1239	3	2914	3
1918	89469	21	62215	25	8962	22	4068	10	14224	16
1927	298229	70	207185	82	27710	67	10194	19	53140	60
1933	378533	89	235451	93	37919	92	25715	63	79448	89
1936	423703	100	252090	100	41297	100	41096	100	89220	100

TABLE 29

A. SUMMARY OF TOTAL VOLUME OF TRAFFIC AT ZONE BOUNDARIES

BY YEARS

AND PERCENTAGE COMPARISON WITH TRAFFIC AT ZONE A BOUNDARY

TOTAL ALL ROUTES	1909		1918		1927		1933		1936	
	No.	%	No.	%	No.	%	No.	%	No.	%
Traffic at Zone D Boundary	2914	14	14224	16	53140	18	79448	21	89220	21
Traffic at Zone C Boundary	4153	20	18292	20	63334	21	105163	28	130316	31
Traffic at Zone B Boundary	6583	32	27254	30	91044	31	143082	38	171613	41
Traffic at Zone A Boundary	20876	100	89469	100	298229	100	378533	100	423703	100

B. SUMMARY OF TOTAL VOLUME OF TRAFFIC ACCORDING TO ZONE ORIGIN

BY YEARS

AND PERCENTAGE COMPARISON WITH TRAFFIC ORIGINATING IN ZONE A

TOTAL ALL ROUTES	1909		1918		1927		1933		1936	
	No.	%	No.	%	No.	%	No.	%	No.	%
Traffic at Zone D Boundary	2914	14	14224	16	53140	18	79448	21	89220	21
Traffic Originating in Zone D	1239	6	4068	4	10194	4	25715	7	41096	10
Traffic Originating in Zone C	2430	12	8962	10	27710	9	37919	10	41297	10
Traffic Originating in Zone B	14293	68	62215	70	207185	69	235451	62	252090	59
Traffic Origaating in Zone A	20876	100	89469	100	298229	100	378533	100	423703	100

TABLE 30

A. SUMMARY OF TOTAL VOLUME OF TRAFFIC AT ZONE BOUNDARIES

BY YEARS

AND ITS PERCENTAGE INCREASE OVER THE NEXT PRECEDING YEAR'S COUNT

TOTAL ALL ROUTES	Total Volume of Traffic					% Increase			
	1909	1918	1927	1933	1936	1909-18	1918-27	1927-33	1933-36
Traffic at Zone D Boundary	2914	14224	53140	79448	89220	388	274	50	12
Traffic at Zone C Boundary	4153	18292	63334	105163	130316	340	246	66	24
Traffic at Zone B Boundary	6583	27254	91044	143082	171613	314	234	57	20
Traffic at Zone A Boundary	20876	89469	298229	378533	423703	329	232	27	12

B. SUMMARY OF TOTAL VOLUME OF TRAFFIC ACCORDING TO ZONE ORIGIN

BY YEARS

AND ITS PERCENTAGE INCREASE OVER THE NEXT PRECEDING YEAR'S COUNT

TOTAL ALL ROUTES	Total Volume of Traffic					% Increase			
	1909	1918	1927	1933	1936	1909-18	1918-27	1927-33	1933-36
At Zone D Boundary	2914	14224	53140	79448	89220	388	274	50	12
Originating in Zone D	1239	4068	10194	25715	41096	228	151	152	60
Originating in Zone C	2430	8962	27710	37919	41297	269	209	37	9
Originating in Zone B	14293	62215	207185	235451	252090	335	233	14	7
Originating in Zone A	20876	89469	298229	378533	423703	329	233	27	12

CHART NO. 9

TOTAL TRAFFIC AT ZONE BOUNDARIES

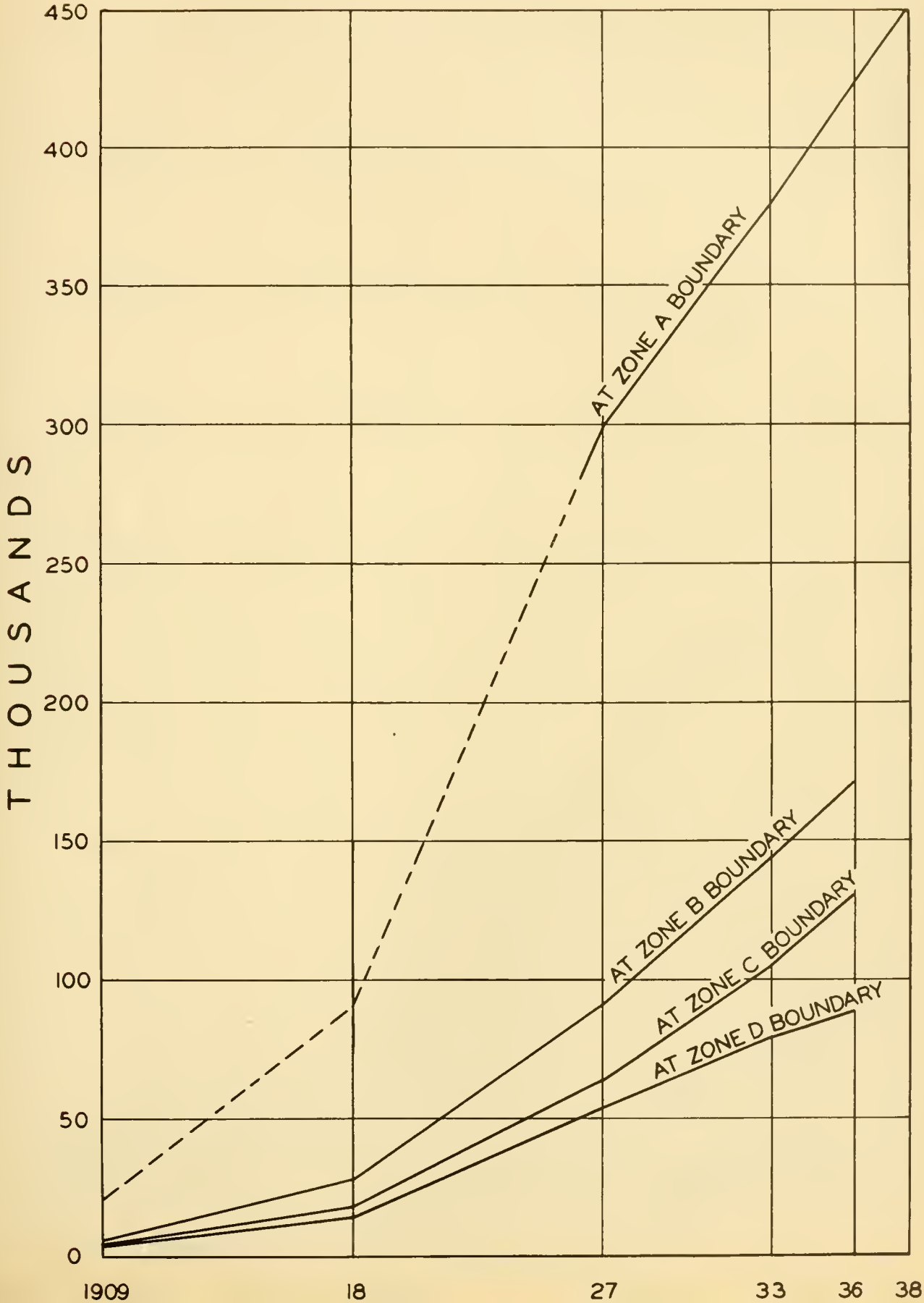


CHART NO. 10

TOTAL TRAFFIC ACCORDING TO ZONE ORIGIN

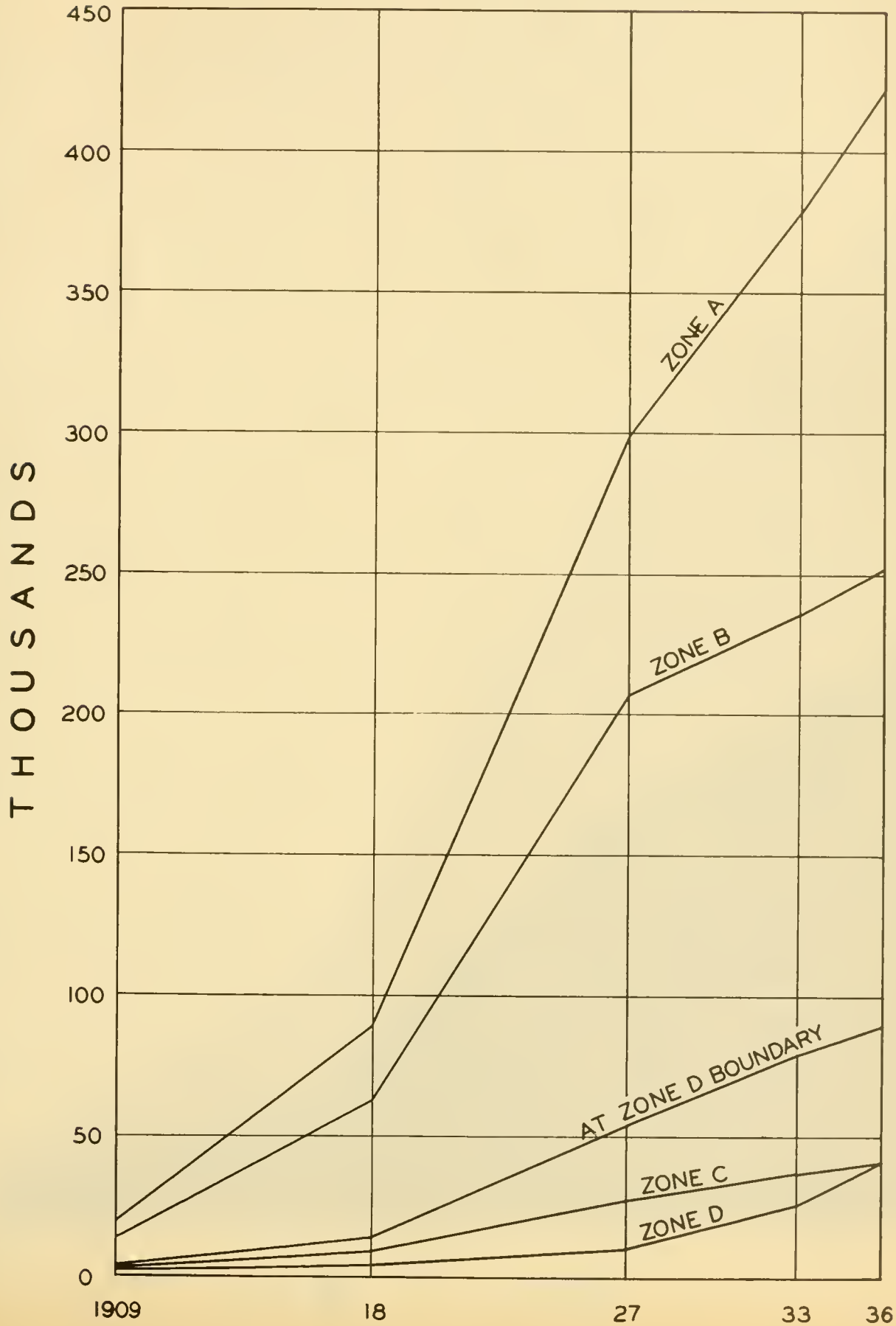


CHART NO. 11

TOTAL TRAFFIC ACCORDING TO ZONE ORIGIN

(CUMULATIVE)

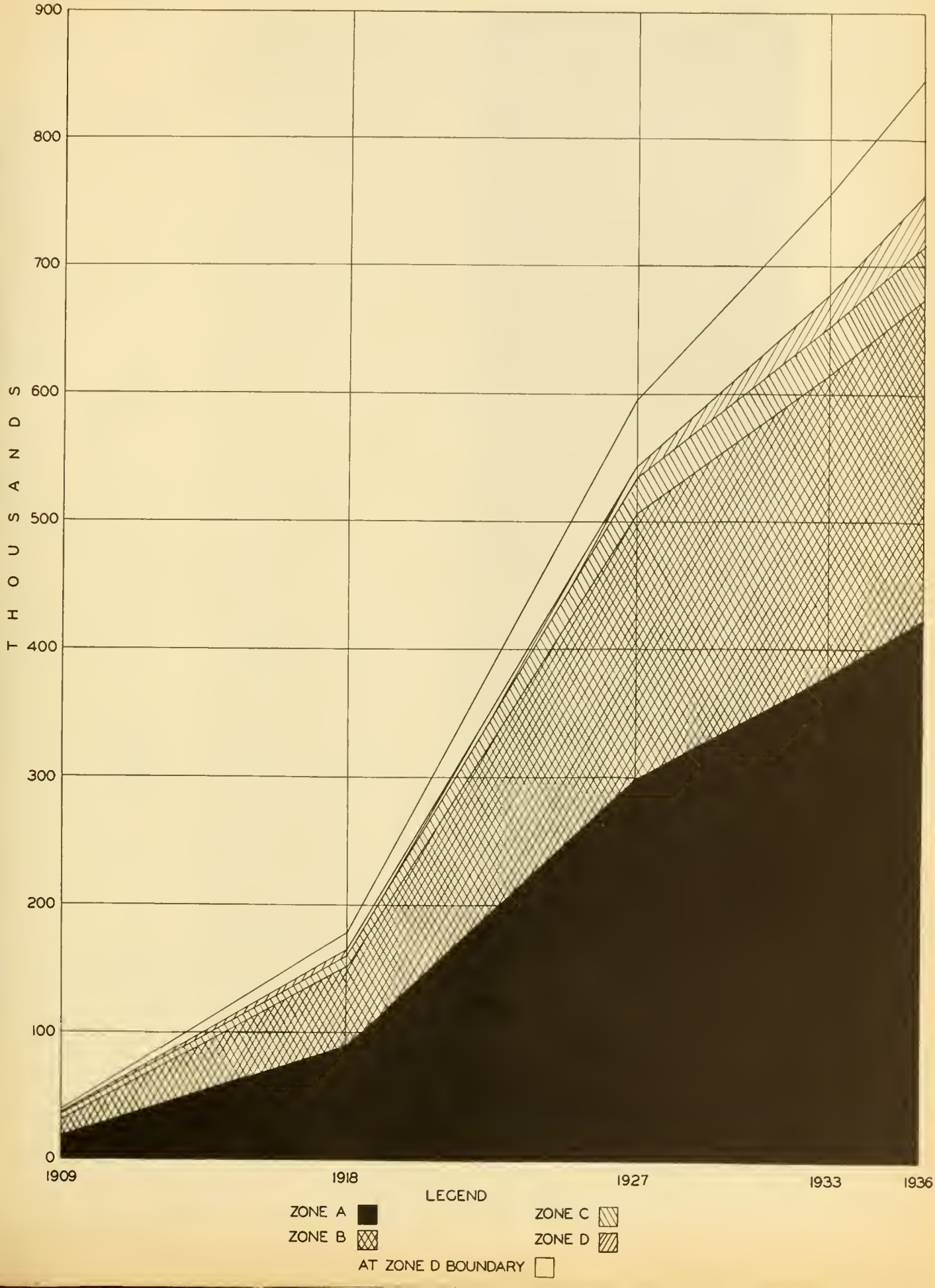
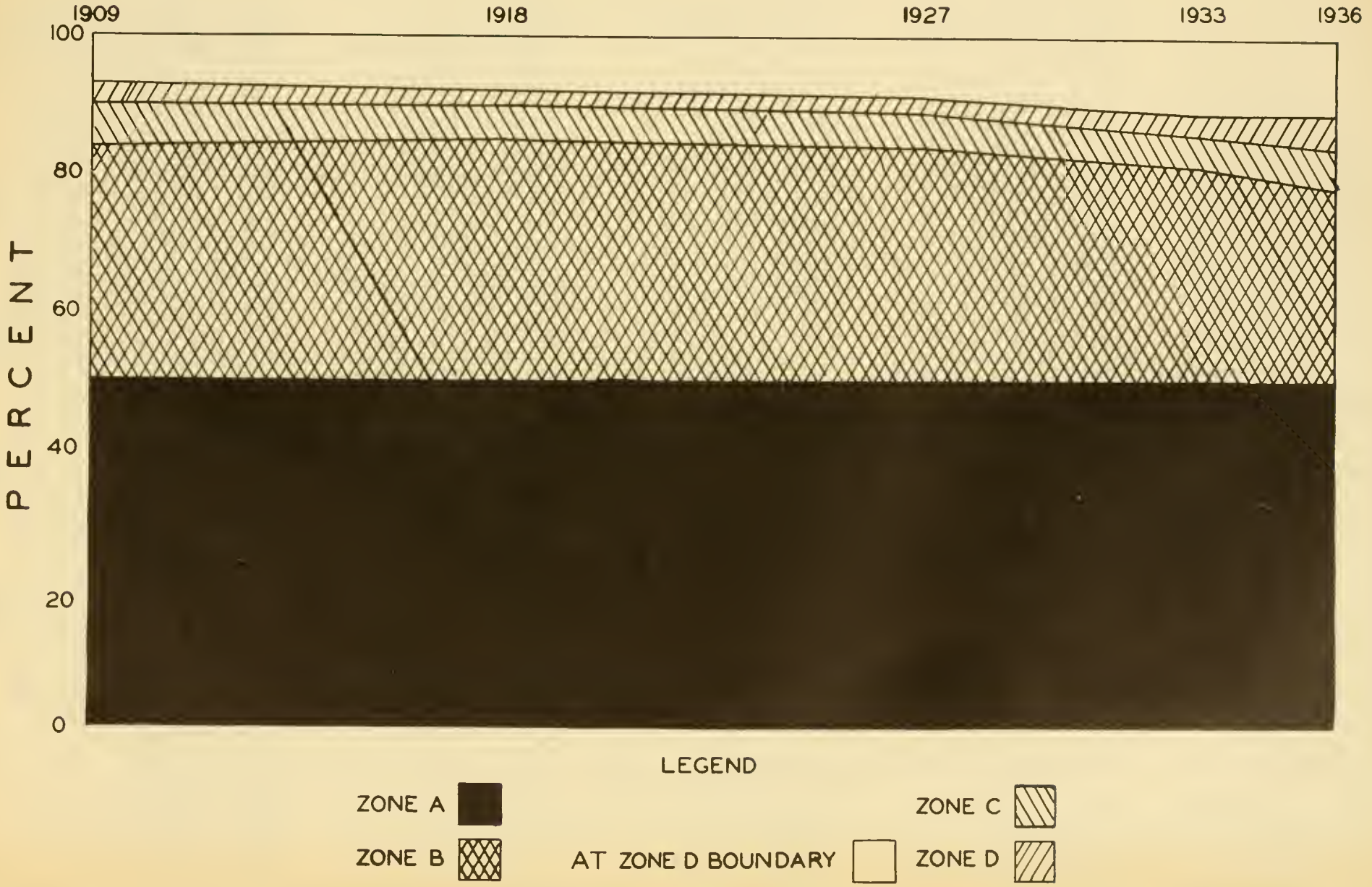


CHART NO. 12

PERCENTAGE DISTRIBRUTION OF TOTAL TRAFFIC BY ZONES



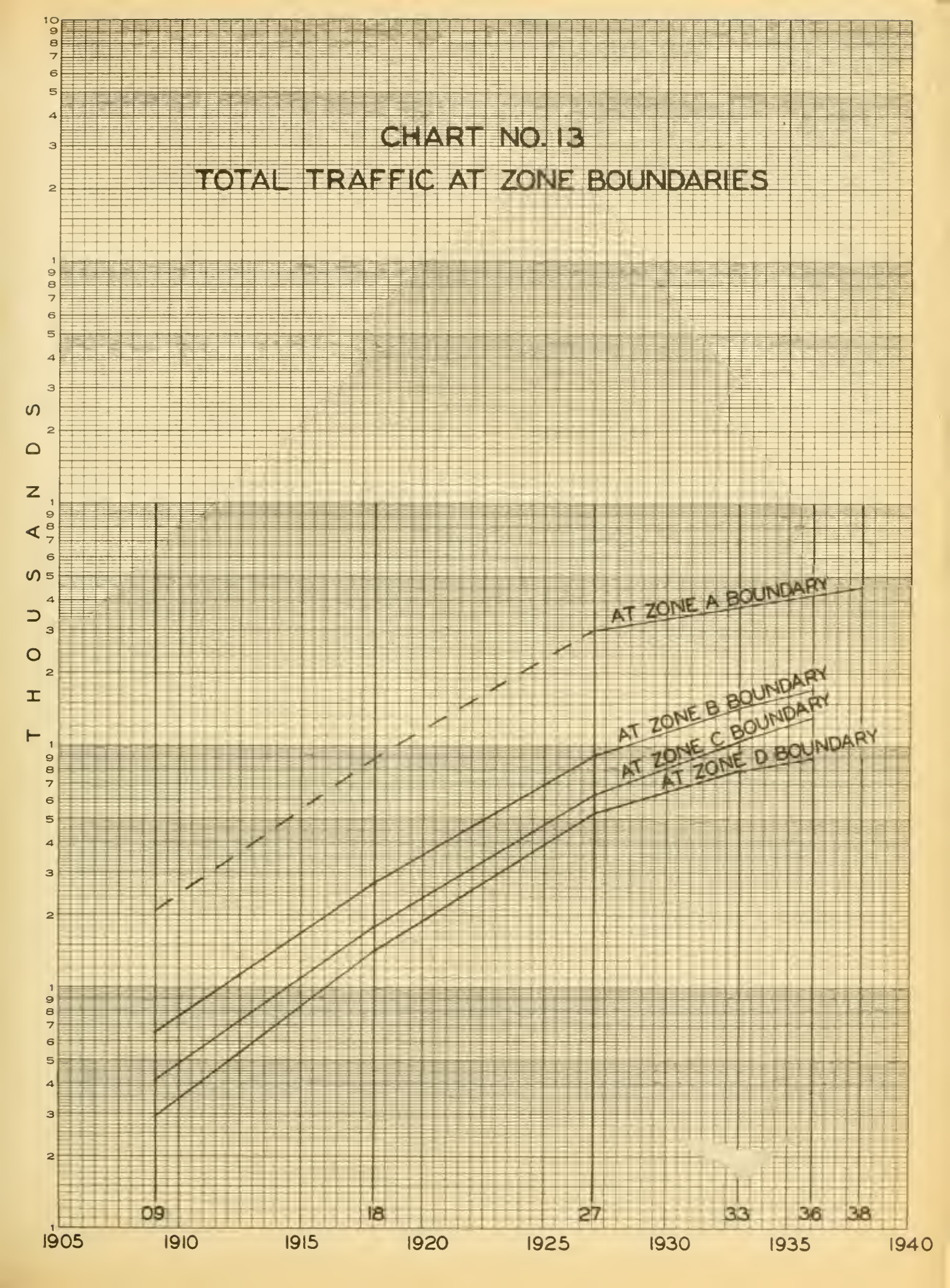
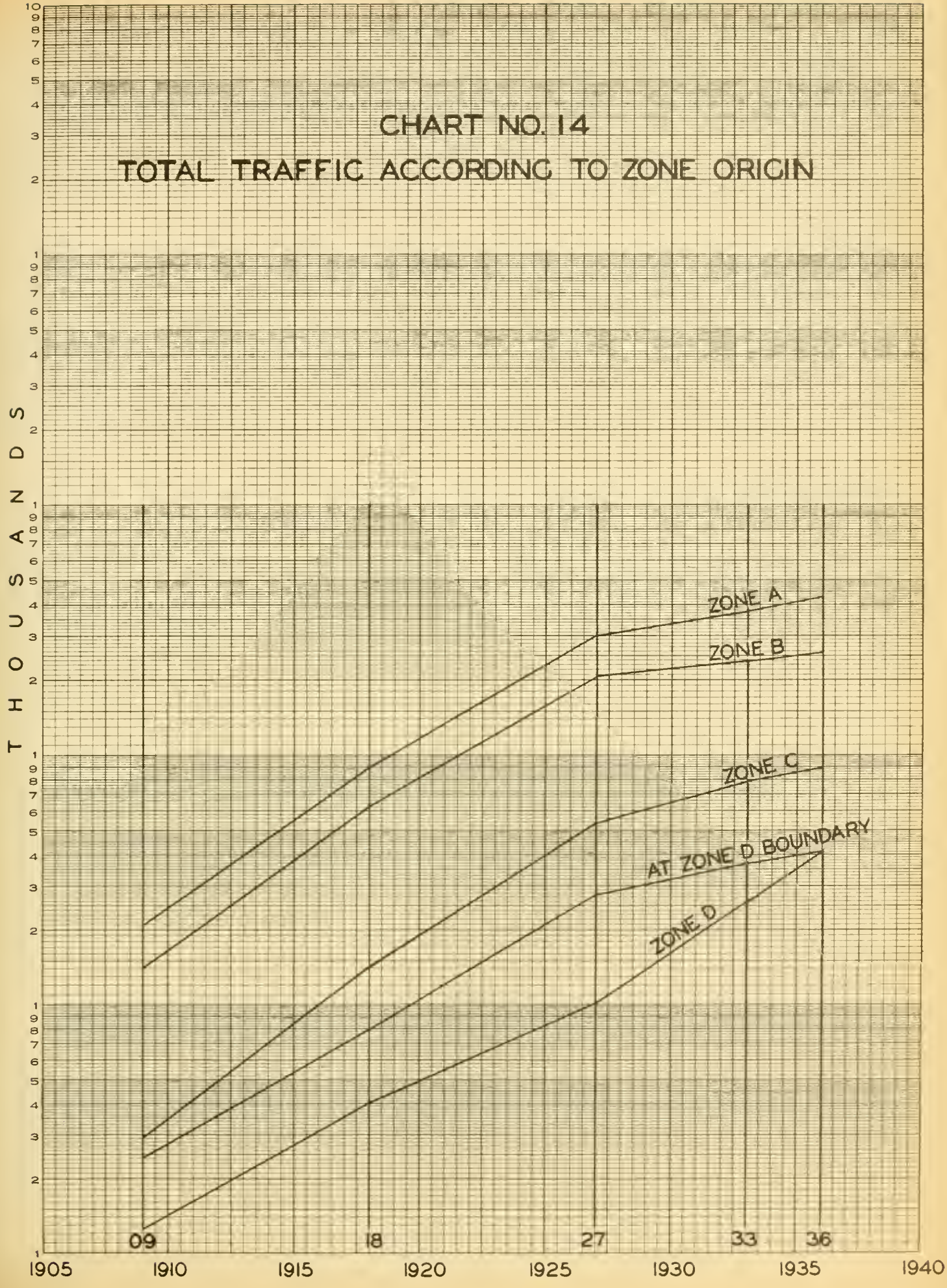


CHART NO. 13
TOTAL TRAFFIC AT ZONE BOUNDARIES
THOUSANDS
AT ZONE A BOUNDARY
AT ZONE B BOUNDARY
AT ZONE C BOUNDARY
AT ZONE D BOUNDARY
09
18
27
33
36
38
1905
1910
1915
1920
1925
1930
1935
1940

CHART NO. 14

TOTAL TRAFFIC ACCORDING TO ZONE ORIGIN



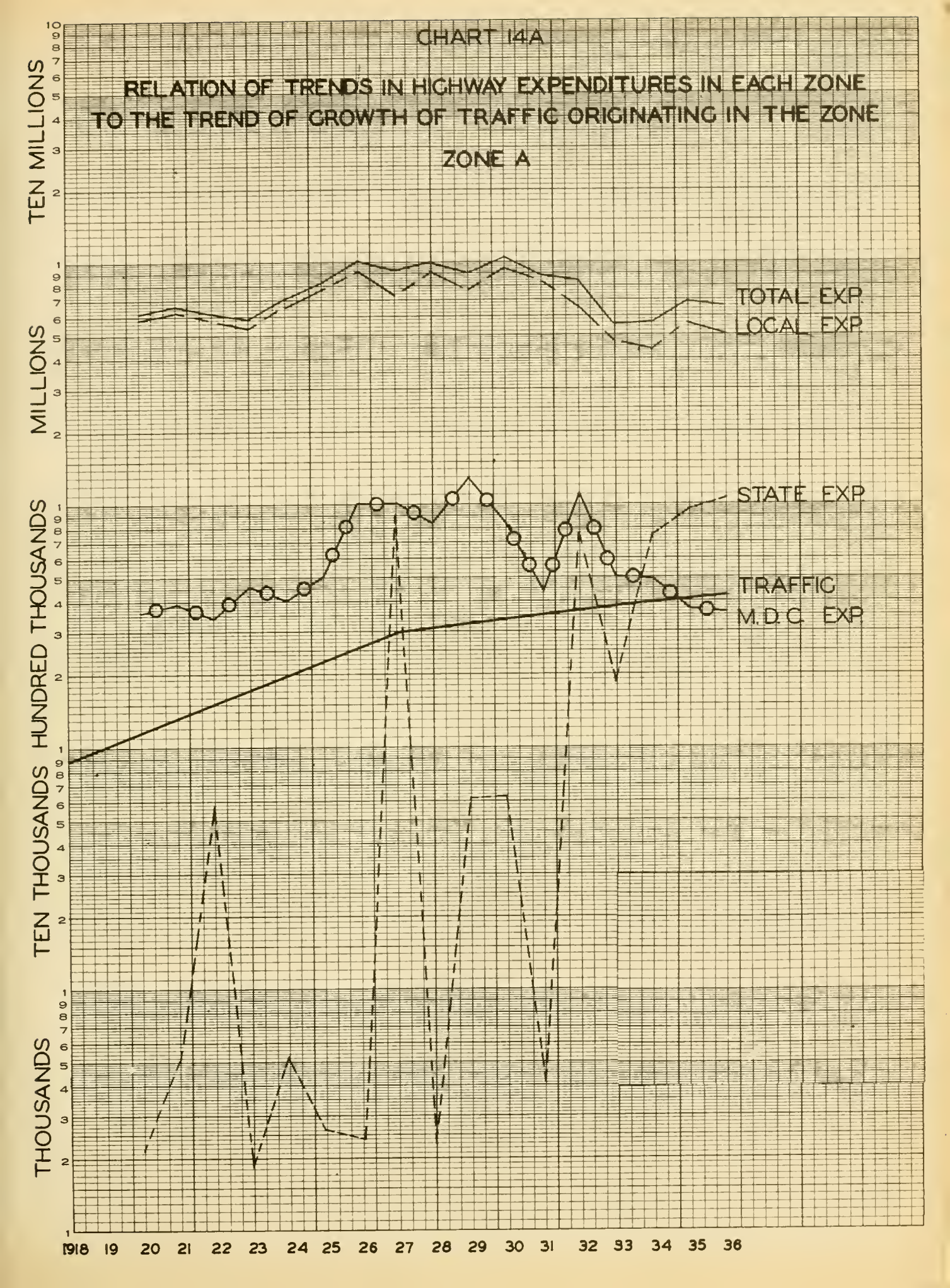


CHART 14A
RELATION OF TRENDS IN HIGHWAY EXPENDITURES IN EACH ZONE
TO THE TREND OF GROWTH OF TRAFFIC ORIGINATING IN THE ZONE
ZONE A
TEN MILLIONS
MILLIONS
TEN THOUSANDS HUNDRED THOUSANDS
THOUSANDS
TOTAL EXP.
LOCAL EXP.
STATE EXP.
TRAFFIC
M.D.C. EXP.
1918 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

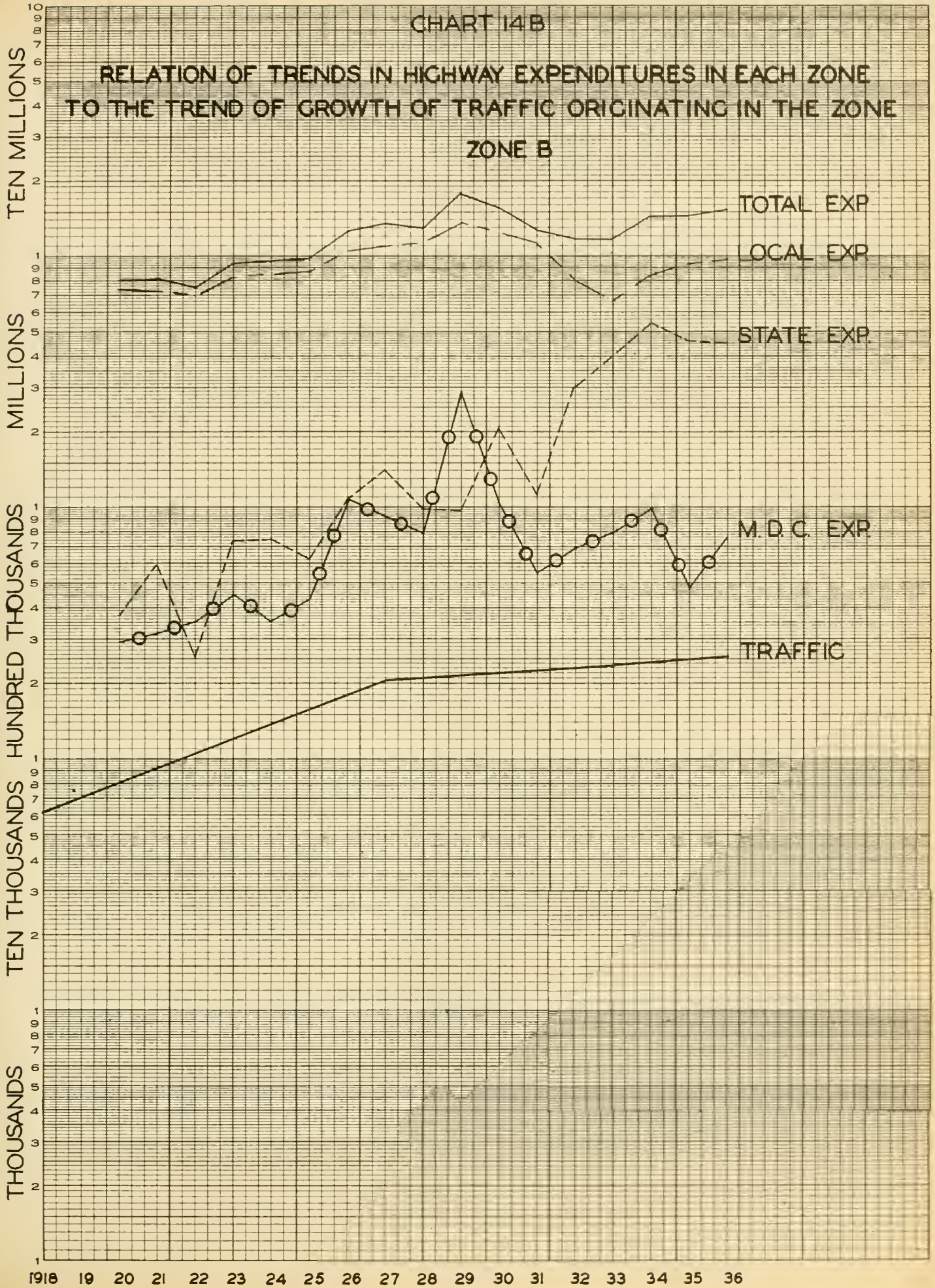
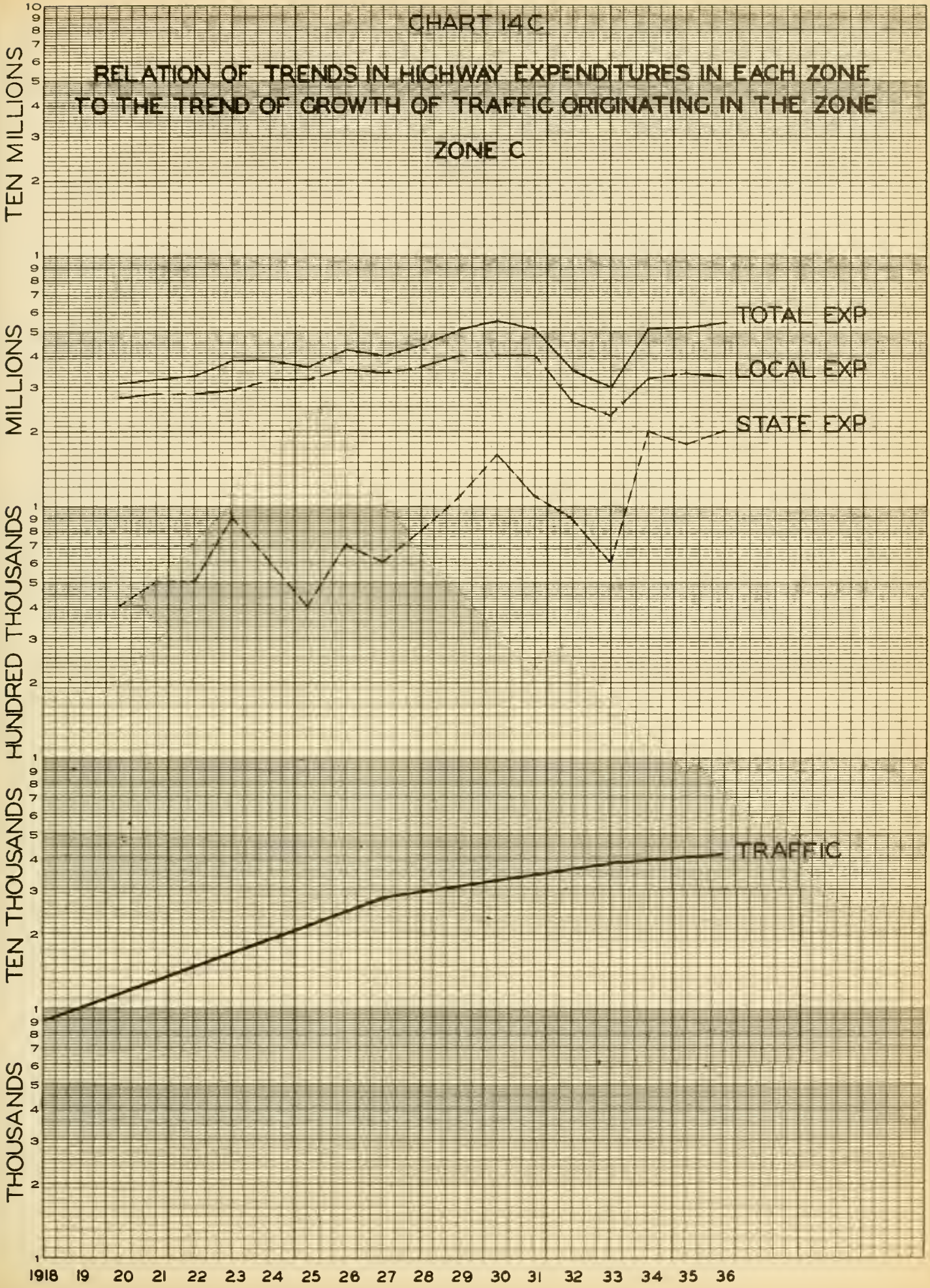


CHART 14 B
RELATION OF TRENDS IN HIGHWAY EXPENDITURES IN EACH ZONE
TO THE TREND OF GROWTH OF TRAFFIC ORIGINATING IN THE ZONE
ZONE B
TEN MILLIONS
MILLIONS
HUNDRED THOUSANDS
TEN THOUSANDS
THOUSANDS
TOTAL EXP
LOCAL EXP
STATE EXP
M. D. C. EXP
TRAFFIC
1918 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

CHART 14 C.

RELATION OF TRENDS IN HIGHWAY EXPENDITURES IN EACH ZONE TO THE TREND OF GROWTH OF TRAFFIC ORIGINATING IN THE ZONE

ZONE C



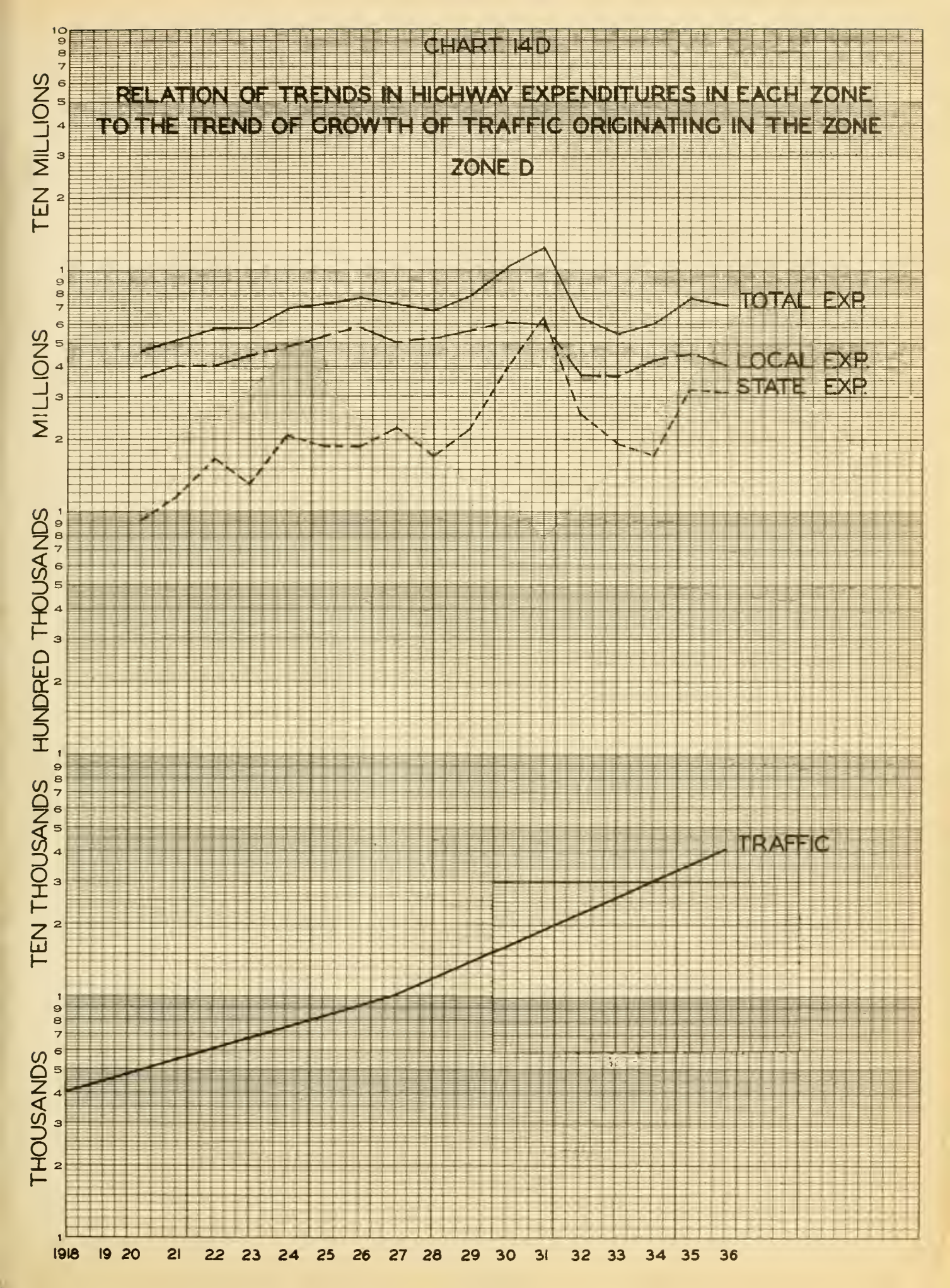


CHART 14D
RELATION OF TRENDS IN HIGHWAY EXPENDITURES IN EACH ZONE
TO THE TREND OF GROWTH OF TRAFFIC ORIGINATING IN THE ZONE
ZONE D
TEN MILLIONS
MILLIONS
HUNDRED THOUSANDS
TEN THOUSANDS
THOUSANDS
TOTAL EXP.
LOCAL EXP.
STATE EXP.
TRAFFIC
1918 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36

Phase IV

Recreation Survey

* Dashes indicate the days for which no count was taken

SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

MAP NO. 5 RECREATION SURVEY BASE MAP

LOCATION OF RESORTS SURVEYED TO SHOW
GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT
RESORT ACCORDING TO RESIDENCE OF OWNER

W P A PROJECT NO. 1815 I
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS — METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

SCALE IN MILES 0 1 2 4 6 8 10

DESCRIPTION OF ZONES

ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES

SUMMARY OF ESTIMATED TOTAL NUMBER OF CARS PARKED AT EACH RECREATIONAL RESORT DURING THE SUMMER OF 1939

NANTASKET BEACH	172 425
HOUGHTON'S POND	17 530
PONKAPOAG G.C.	9 378
QUINCY SHORE RESERVATION	43614
MALIBU BEACH	17293
STRANDWAY BEACH	142235
FRANKLIN PARK	31550
REVERE BEACH	179858
LYNN-NAHANT BEACH	140123
MIDDLESEX-FELLS ZOO	19113

SCALE IN THOUSANDS 0 25 50 75 100 125 150 175 200

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

TABLE 31

TOTAL COUNTED NUMBER OF CARS PARKED

AT EACH RECREATIONAL RESORT

DURING THE SUMMER OF 1939

BY DAYS

WPA Project No. 18151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Date		Nantasket Beach Resort #1	Houghton's Pond Resort #2	Ponkapoag Golf Club Resort #3	Quincy Shore Res. Resort #4	Malibu Beach Resort #5	Strandway Beach Resort #6	Franklin Park Resort #7	Revere Beach Resort #8	Lynn-Nahant Beach Resort #9	Totals
JULY	26	2339	----	----	----	----	1644	----	----	1941	5924
	27	2059	----	----	----	----	1578	----	1668	1440	6745
	28	1923	----	----	----	----	1821	----	1759	1289	6792
Sat.	29	2078	----	----	----	----	1016	----	1732	----	4826
Sun.	30	3596	----	----	----	----	1565	----	2864	----	8025
	31	1644	----	----	----	----	1656	----	1518	----	4818
AUG.	1	2514	----	----	----	----	2383	----	2392	----	7289
	2	2876	----	----	1005	257	----	277	2906	----	7321
	3	----	313	178	----	----	----	----	----	1594	2085
	4	----	144	86	----	----	----	----	----	627	857
Sat.	5	----	554	182	949	344	----	368	----	2939	5336
Sun.	6	----	252	134	1226	459	----	852	----	6115	9038
	7	----	359	100	690	212	----	256	----	1524	3141
	8	----	457	131	715	297	----	238	----	2649	4487
	9	----	415	133	----	----	1764	----	----	2529	4841
	10	2346	----	----	----	----	1791	----	2433	----	6570
	11	1781	----	----	----	----	----	----	2314	----	4095
Sat.	12	3055	----	----	249	259	2306	----	3471	----	9340
Sun.	13	4667	----	----	963	495	3003	----	4126	----	13254
	14	1645	----	----	232	241	1614	----	2209	----	5941
	15	2425	----	----	533	331	2069	----	2627	----	7985
	16	2520	----	----	609	332	2260	----	3282	----	9003
	17	1479	163	53	268	175	1458	----	----	1437	5033
	18	836	----	----	309	67	939	224	----	759	3134
Sat.	19	1853	164	153	434	135	1359	----	----	1464	5562
Sun.	20	1268	----	----	----	----	312	----	----	153	1733
	21	1978	----	----	392	278	1582	----	----	2089	6319
	22	2452	----	----	394	368	1902	308	----	3106	8530
	23	2586	312	119	363	281	2281	344	----	2981	9267
	24	1791	141	134	330	209	1946	327	2138	1529	8545
	25	759	34	46	51	43	591	111	----	217	1852
Sat.	26	1768	164	163	442	140	1733	360	2082	1752	8604
Sun.	27	3610	418	151	642	209	2486	826	3904	2991	15237
	28	992	93	80	249	107	1453	296	1613	1415	6298
	29	690	38	98	166	49	724	213	688	613	3279
	30	543	44	----	----	20	111	46	803	350	1917
	31	339	12	25	----	----	----	----	224	230	830
SEP.	1	931	74	107	----	62	923	----	1109	473	3679
Sat.	2	1492	123	123	546	185	1617	316	2188	1561	8151
Sun.	3	3075	296	90	793	138	2329	762	3551	2131	13165
Lab.Day	4	3584	534	126	1074	244	2782	858	4478	3220	16900
	5	552	20	36	158	14	328	95	640	185	2028
	6	777	56	82	243	47	1084	267	763	497	3816
	7	----	85	85	23	50	1011	----	678	404	2336
	8	----	17	49	----	----	----	25	171	----	262
Sat.	9	783	100	143	331	51	1471	306	1067	480	4532
Sun.	10	1198	75	114	159	47	1782	341	553	251	4520
Totals		72804	5457	2921	14538	6146	58474	8016	61951	52935	283242

NOTE:- Blanks indicate the days for which no count was taken

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 32A

NUMBER OF CARS SURVEYED AT EACH RECREATIONAL RESORT

DURING THE SUMMER OF 1939

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	Nantasket Beach Resort #1		Houghton's Pond Resort #2		Fonkapoag Golf Club Resort #3		Quincy Shore Res. Resort #4		Malibu Beach Resort #6		Strandway Beach Resort #5		Franklin Park Resort #7		Revere Beach Resort #8		Lynn-Nahant Beach Resort #9		Middlesex Fells Zoo * Resort #10	
	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer
ZONE A																				
Boston	18,312	43,371	2,822	8,071	1,022	3,285	5,200	15,627	4,396	12,369	35,527	86,417	3,356	13,132	9,146	26,553	4,262	11,335	998	1,604
ZONE B																				
Arlington	581	1,376	20	64	12	39	91	273	24	68	552	1,343	70	274	1,374	3,989	1,356	3,589	379	609
Belmont	437	1,035	17	55	17	55	77	231	22	62	492	1,197	58	227	621	1,803	694	1,837	120	193
Braintree	1,668	4,427	94	302	108	347	290	870	35	98	289	703	55	215	55	160	60	159	22	35
Brookline	1,443	3,418	80	257	43	138	388	1,164	91	256	1,522	3,702	200	783	772	2,241	815	2,157	71	114
Cambridge	1,415	3,351	84	270	50	161	249	747	114	321	1,916	4,661	153	599	2,480	7,200	1,515	4,010	354	569
Canton	227	538	53	170	64	206	29	87	9	25	80	195	20	76	16	46	21	56	-----	-----
Chelsea	134	317	20	64	4	13	29	87	12	34	218	525	46	180	3,499	10,158	463	1,279	266	427
Cohasset	585	1,395	1	3	2	6	24	72	1	3	37	90	5	20	7	20	9	24	3	5
Dedham	533	1,262	119	383	132	424	114	342	29	82	275	669	64	250	79	229	88	233	14	22
Dover	23	54	1	3	-----	-----	3	9	-----	-----	14	34	5	20	4	12	8	21	2	3
Everett	236	559	17	55	5	16	53	159	17	48	261	635	58	227	3,364	9,768	723	1,914	492	791
Hingham	1,987	4,706	10	32	8	26	98	294	39	110	82	199	6	31	26	75	23	61	8	13
Hull	1,531	3,626	4	13	1	3	37	111	5	14	48	117	8	31	13	36	7	19	3	5
Lexington	107	253	5	16	1	3	29	87	15	42	120	292	18	70	260	755	225	596	48	77
Lynn	271	642	15	48	2	6	40	120	14	39	214	521	85	333	2,261	6,564	13,014	34,449	654	1,061
Malden	325	772	27	87	7	23	61	183	27	76	392	954	57	223	4,708	13,668	1,327	3,513	991	1,583
Medford	664	1,383	20	64	10	32	115	345	54	152	675	1,642	65	254	3,492	10,138	1,581	4,185	1,154	1,855
Melrose	132	313	12	39	5	16	44	132	13	37	206	501	25	98	1,238	3,594	1,798	4,759	752	1,209
Milton	1,442	3,415	285	916	277	890	530	1,590	122	343	891	2,167	111	434	92	267	112	296	22	35
Nahant	4	9	-----	-----	-----	-----	-----	-----	2	6	34	83	3	12	57	165	536	1,419	4	6
Needham	351	831	39	125	18	58	62	186	8	23	142	345	26	110	118	343	84	222	25	40
Newton	1,461	3,460	94	302	58	186	299	897	65	191	1,036	2,525	164	720	967	2,807	918	2,430	95	153
Norwood	602	1,426	44	141	30	96	53	159	8	23	167	406	30	117	59	171	29	77	8	13
Quincy	7,123	16,870	362	1,228	470	1,511	3,711	11,133	245	689	1,851	4,502	332	1,289	271	787	258	683	83	133
Reading	55	130	4	13	-----	-----	13	39	2	6	55	134	11	43	152	441	563	1,490	187	301
Revere	126	299	14	45	4	13	21	63	21	59	132	321	38	149	4,344	12,612	482	1,223	196	315
Saugus	61	144	2	6	-----	-----	12	36	6	17	67	163	20	78	525	1,524	1,398	3,701	199	320
Somerville	1,108	2,624	42	135	28	90	162	466	113	318	1,330	3,235	106	423	3,560	10,335	1,665	4,937	832	1,337
Stoneham	63	149	12	39	2	6	17	51	3	8	92	224	15	59	335	973	540	1,429	366	820
Stoughton	367	869	19	61	41	132	22	66	7	20	73	178	18	70	24	70	23	61	7	11
Swampscott	25	59	2	6	-----	-----	9	27	-----	-----	31	75	16	63	222	645	1,969	5,265	73	117
Wakefield	54	128	2	6	3	10	15	45	7	20	51	124	13	51	282	819	1,039	2,750	270	434
Walpole	171	405	18	58	1	3	32	96	3	8	27	66	13	51	33	96	17	45	6	10
Waltham	514	1,217	34	109	17	55	83	249	11	31	393	956	64	250	717	2,082	576	1,525	62	100
Watertown	777	1,840	40	129	9	29	105	315	47	132	692	1,683	101	395	860	2,497	676	1,789	110	177
Wellesley	303	718	26	84	5	16	34	102	5	14	177	431	34	133	111	322	119	315	18	29
Weston	49	116	3	10	2	6	9	27	4	11	51	124	5	20	37	107	40	106	8	13
Westwood	126	298	19	61	34	109	26	78	-----	-----	49	119	17	67	20	58	42	111	2	3
Weymouth	4,021	9,523	33	106	90	289	320	960	30	84	296	720	78	305	71	206	55	146	26	42
Winchester	98	232	5	16	1	3	33	99	4	11	134	326	17	67	268	778	467	1,236	261	419
Winthrop	80	189	8	26	4	13	24	72	10	28	148	360	33	129	978	2,839	251	664	97	156
Woburn	115	272	2	6	1	3	19	57	4	11	124	302	18	70	391	1,135	542	1,435	235	378
ZONE B - TOTAL	31,521	74,649	1,728	5,583	1,566	5,032	7,382	22,146	1,251	3,520	15,436	37,549	2,307	9,028	38,763	112,535	36,348	96,216	8,545	13,733
ZONE C																				
Abington	422	999	3	10	-----	-----	33	99	5	14	27	65	11	43	15	44	8	21	-----	-----
Avon	127	301	20	64	1	3	16	48	4	11	33	80	2	8	7	20	1	3	1	2
Bedford	12	28	2	6	-----	-----	3	9	1	3	21	51	9	35	38	110	25	66	6	10
Beverly	47	111	2	6	2	6	11	33	2	6	49	119	16	63	252	732	421	1,114	83	133
Bridgewater	171	405	8	26	2	6	12	36	-----	-----	22	54	13	51	35	102	8	21	5	8
Brockton	3,552	8,413	75	244	45	145	122	366	16	45	293	713	105	411	127	369	97	257	22	35
Burlington	20	47	2	6	1	3	1	3	1	3	10	24	3	12	48	139	42	111	18	29
Concord	51	121	2	6	2	6	6	18	3	8	29	71	5	20	59	171	74	196	10	16
Danvers	33	78	2	6	-----	-----	4	12	4	11	21	51	7	27	120	346	347	919	74	119
E.Bridgewater	88	208	1	3	1	3	-----	-----	-----	-----	10	24	2	8	5	15	2	5	3	5
Easton	114	270	2	6	7	23	2	6	2	6	24	58	18	70	18	44	7	19	1	2
Foxboro	74	175	10	32	2	6	5	15	-----	-----	47	114	11	43	19	55	16	42	4	6
Framingham	385	912	16	51	1	3	19	57	5	14	120	292	24	94	142	412	62	164	21	34
Gloucester	16	38	3	10	-----	-----	7	21	3	8	25	61	9	35	99	287	81	214	35	56
Hanover	113	268	1	3	1	3	18	54	-----	-----	16	39	9	35	2	6	8	21	3	5
Holbrook	279	661	12	39	10	32	12	36	3	8	19	46	8	31	10	29	7	19	-----	-----
Lincoln	6	14	1	3	-----	-----	-----	-----	1	3	27	65	-----	-----	18	46	26	69	3	5
Lynnfield	8	19	-----	-----	-----	-----	6	18	2	6	14	34	3	12	58	166	237	627	24	39
Manchester	-----	-----	-----	-----	-----	-----	2	6	2	6	9	22	-----	-----	10	29	21	56	7	11
Mansfield	60	142	6	19	1	3	4	12	1	3	10	24	12	47	22	64	6	16	-----	-----
Marblehead	33	78	2	6	1	3	6	18	7	20	31	75	11	43	134	389	575	1,522	65	104
Maynard	46	109	1	3	-----	-----	7	21	-----	-----	23	56	4	16	53	154	26	69	5	13
Medfield	63	149	2	6	1	3	3	9	2	6	15	36	5	20	22	64	5	13	1	2
Natick	413	978	13	42	3	10	52	156	6	17	118	287	26	102	109	316	60	159	9	14
Norwell	123	291	3	10	1	3	32	96	2	6	30	73	1	4	8	23	3	8	2	3
Peabody	61	144	2	6	1	3	8	24	3	8	42	102	12	47	324	941	1,235	3,269	124	199
Randolph	480	1,137	82	264	39	125	59	177	41	115	170	414	26	102	32	93	25	66	7	11
Rockland	857	2,101	3	10	11	35	28	84	4	11	43	105	20	78	23	67	10	26	3	5
Rockport	3	7	-----	-----	-----	-----	-----	-----	1	3	5	12	2	8	19	55	19	50	2	3
Salem	67	159	6	19	3	10	15	45	8	23	74	180	27	106	399	1,158	1,542	4,062	131	211
Scituate	193	459	4	13	2	6	44	132	5	14	34	83	7	27	9	26	5	13	3	5
Sharon	67	159	13	42	3	10	17	51	3	8	57	139	11	43	13	38	14	37	6	13
Sudbury	11	26	-----	-----	-----	-----	4	12	12	34	25	61	2	8	14	41	6	21	1	2
Wayland	60	142	2	6	1	3	8	24	5	14	17	41	7	27	35	102	17	45	-----	-----
W.Bridgewater	75	178	2	6	2	6	11	33	2	6	8	19	1	4	7	20	6	16	1	2
Whitman	322	763	2	6	1	3	33	99	-----	-----	41	100	8	31	9	26	5	13	2	3
Wilmington	24	57	1	3	1	3	5	15	1	3	19	46	6	23	71	206	56	148	43	69
ZONE C - TOTAL	6,806	20,145	307	982	146	465	614	1,842	157	443	1,576	3,838	443	1,734	2,380	6,909	5,107	13,517	730	1,174

NOTE:- See text for method of developing the estimated figures
* Based on 1938 data

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cen. Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 328

NUMBER OF CARS PARKED AT EACH RECREATIONAL RESORT

DURING THE SUMMER OF 1939

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	Nantasket Beach Resort #1		Houghton's Pond Resort #2		Tonkapoag Golf Club Resort #3		Quincy Shore Res. Resort #4		Malibu Beach Resort #5		Strandway Beach Resort #6		Franklin Park Resort #7		Revere Beach Resort #8		Lynn-Nahant Beach Resort #9		Middlesex Falls Zoo Resort #10 *	
	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer	Traffic Count	Est.for Summer
ZONE D																				
Acton	17	40	1	3	-----	-----	2	6	1	3	4	10	1	4	34	99	25	66	5	6
Andover	36	90	1	3	1	3	6	18	-----	-----	31	75	8	31	52	151	97	257	52	84
Ashland	34	81	4	13	-----	-----	3	9	-----	-----	9	22	6	23	11	32	4	11	-----	-----
Attleboro	127	301	5	16	6	19	9	27	4	11	44	107	22	86	36	110	27	71	15	24
Ayer	10	24	1	3	2	6	3	9	3	8	12	29	5	20	32	93	26	69	-----	-----
Bellingham	15	36	2	6	-----	-----	-----	-----	-----	-----	5	12	5	20	9	26	5	13	-----	-----
Berlin	5	12	-----	-----	-----	-----	-----	-----	-----	-----	1	2	-----	-----	2	6	2	5	-----	-----
Billerica	37	88	1	3	-----	-----	3	9	4	11	88	214	10	39	102	296	65	172	24	39
Bolton	3	7	-----	-----	-----	-----	-----	-----	-----	-----	5	12	1	4	1	3	2	5	1	2
Boxborough	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2	6	-----	-----	-----	-----	1	3	2	3
Boxford	2	5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	3	9	5	13	6	10
Carlisle	4	9	-----	-----	-----	-----	-----	-----	-----	-----	2	5	-----	-----	6	17	7	19	-----	-----
Chelmsford	23	54	3	10	1	3	2	6	2	6	7	17	3	12	58	166	71	188	13	21
Dracut	14	33	-----	-----	-----	-----	2	6	-----	-----	4	10	2	8	31	90	41	109	7	11
Dunstable	2	5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	3	1	3	-----	-----
Duxbury	37	88	2	6	1	3	11	33	1	3	8	19	3	12	5	15	10	26	3	5
Essex	8	19	-----	-----	-----	-----	1	3	-----	-----	12	29	1	4	4	12	17	45	1	2
Franklin	121	287	6	19	-----	-----	11	33	2	6	24	58	10	39	20	58	13	34	6	6
Georgetown	2	5	-----	-----	-----	-----	1	3	2	6	8	19	-----	-----	7	20	21	56	2	3
Groton	13	31	-----	-----	-----	-----	-----	-----	1	3	5	12	1	4	13	36	10	26	1	2
Groveland	2	5	1	3	-----	-----	-----	-----	-----	-----	2	5	1	4	11	32	3	8	-----	-----
Halifax	18	43	2	6	-----	-----	-----	-----	1	3	6	15	2	8	2	6	2	5	2	3
Hamilton	7	17	-----	-----	-----	-----	-----	-----	-----	-----	14	34	4	16	16	52	31	82	2	3
Hanson	55	130	-----	-----	3	10	13	39	3	8	13	32	3	12	4	12	2	5	1	2
Harvard	2	5	-----	-----	1	3	-----	-----	1	3	3	7	-----	-----	4	12	1	3	1	2
Haverhill	51	121	1	3	2	6	9	27	4	11	48	117	21	82	117	340	116	307	62	100
Holliston	38	90	1	3	-----	-----	3	9	1	3	7	17	1	4	19	65	7	19	2	3
Hopedale	75	178	1	3	-----	-----	3	9	-----	-----	5	12	3	12	6	23	11	29	3	5
Hopkinton	32	76	2	6	-----	-----	3	9	1	3	10	24	2	6	31	90	9	24	1	2
Hudson	74	175	1	3	-----	-----	4	12	-----	-----	29	71	2	8	66	192	26	69	2	3
Ipswich	1	2	-----	-----	2	6	-----	-----	1	3	5	12	5	20	29	84	17	45	7	11
Kingston	42	98	-----	-----	-----	-----	8	24	9	25	14	34	3	12	7	20	3	8	1	2
Lawrence	131	310	5	16	1	3	22	66	9	25	99	241	35	137	364	1,057	249	659	273	439
Littleton	18	43	1	3	1	3	-----	-----	2	6	2	5	1	4	19	55	7	19	2	3
Lowell	236	559	3	10	1	3	28	84	2	6	125	304	40	157	601	1,745	837	2,216	80	129
Marlborough	156	369	2	6	5	16	4	12	1	3	40	97	15	59	106	308	62	164	11	18
Marshfield	87	206	7	23	2	6	10	30	11	31	36	88	6	23	5	15	6	16	4	6
Medway	63	149	1	3	-----	-----	4	12	-----	-----	12	29	4	16	16	46	7	19	3	5
Mendon	25	59	-----	-----	-----	-----	-----	-----	-----	-----	2	5	1	4	3	9	-----	-----	1	2
Merrimac	1	2	-----	-----	-----	-----	-----	-----	-----	-----	2	5	-----	-----	7	20	3	8	-----	-----
Methuen	28	66	3	10	-----	-----	4	12	2	6	24	58	9	35	87	253	79	209	66	109
Middleborough	74	175	5	16	1	3	11	33	1	3	44	107	11	43	16	52	10	26	4	6
Middleton	1	2	-----	-----	-----	-----	3	9	-----	-----	2	5	1	4	14	41	63	167	11	18
Milford	307	727	8	19	1	3	8	24	9	25	45	109	12	47	57	165	31	82	6	10
Millis	56	133	-----	-----	-----	-----	2	6	1	3	12	29	6	23	8	23	6	16	2	3
Newbury	1	2	-----	-----	-----	-----	1	3	-----	-----	3	7	-----	-----	7	20	4	11	-----	-----
Norfolk	22	52	1	3	-----	-----	1	3	2	6	7	17	2	8	5	15	6	16	4	6
North Andover	16	38	1	3	-----	-----	1	3	-----	-----	11	27	2	8	21	61	36	96	20	32
North Attleboro	32	76	2	6	-----	-----	6	18	2	6	30	73	2	8	10	29	26	69	2	3
Northborough	15	36	-----	-----	-----	-----	-----	-----	-----	-----	4	10	2	8	17	49	9	24	1	2
North Reading	16	38	-----	-----	1	3	2	6	2	6	20	49	1	4	42	122	36	95	16	26
Norton	20	47	-----	-----	-----	-----	1	3	1	3	16	39	1	4	-----	-----	6	13	-----	-----
Pembroke	33	78	5	16	-----	-----	20	60	2	6	19	46	9	35	4	12	2	5	1	2
Plainville	15	36	1	3	-----	-----	2	6	1	3	4	10	2	8	6	17	4	11	1	2
Plympton	3	7	-----	-----	-----	-----	4	12	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	2
Raynham	19	45	-----	-----	-----	-----	-----	-----	1	3	3	7	6	23	3	9	2	6	1	2
Rowley	1	2	1	3	-----	-----	-----	-----	-----	-----	5	12	-----	-----	5	15	10	26	2	3
Sherborn	11	26	1	3	2	6	-----	-----	-----	-----	6	15	2	8	3	9	1	3	-----	-----
Southborough	41	97	-----	-----	-----	-----	1	3	-----	-----	8	19	3	12	10	29	8	21	2	3
Stow	13	31	-----	-----	-----	-----	1	3	2	6	4	10	2	8	9	26	7	19	2	3
Taunton	141	321	9	29	2	6	8	24	4	11	79	192	43	168	58	166	33	87	10	16
Tewksbury	13	31	2	6	-----	-----	2	6	4	11	14	34	2	8	44	128	51	135	14	22
Topsfield	2	5	-----	-----	-----	-----	-----	-----	-----	-----	6	15	1	4	6	17	21	56	5	8
Tyngsborough	1	2	-----	-----	-----	-----	-----	-----	-----	-----	6	15	-----	-----	12	35	20	53	-----	-----
Upton	30	71	2	6	-----	-----	2	6	-----	-----	4	10	5	20	12	35	1	3	2	3
Wenham	3	7	-----	-----	-----	-----	2	6	-----	-----	1	2	3	12	2	6	16	48	1	2
Westborough	68	161	3	10	-----	-----	2	6	1	3	17	41	1	4	17	49	14	37	3	5
Westford	15	36	4	13	-----	-----	1	3	-----	-----	6	15	2	8	8	23	7	19	2	3
West Newbury	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	4	10	-----	-----	2	6	2	5	-----	-----
Wrentham	25	59	3	10	1	3	1	3	2	6	22	54	5	20	17	49	11	29	2	3
ZONE D - TOTAL	2,668	6,320	103	326	37	114	251	753	103	294	1,171	2,848	362	1,422	2,370	6,882	2,372	6,281	776	1,254

SUMMARY OF TOTAL CARS PARKED AT EACH RECREATIONAL RESORT BY ZONES

ZONE A	18,312	43,371	2,822	9,071	1,022	3,285	5,209	15,627	4,396	12,369	36,527	86,417	3,356	13,132	9,146	26,553	4,262	11,335	998	1,604
ZONE B	31,521	74,649	1,728	5,553	1,566	5,032	7,382	22,146	1,261	3,520	15,436	37,549	2,307	9,028	38,763	112,635	36,348	96,216	6,545	13,733
ZONE C	8,506	20,145	307	982	146	465	614	1,842	167	443	1,578	3,638	443	1,734	2,380	6,909	6,107	13,517	730	1,174
ZONE D	2,668	6,320	103	326	37	114	251	753	103	294	1,171	2,848	362	1,422	2,370	6,662	2,372	6,281	776	1,254
OTHER MASS. CARS	5,911	14,000	160	514	53	170	389	1,167	81	228	1,436	3,493	552	2,160	3,089	8,968	1,713	4,534	336	540
OTHER U.S.CARS	5,766	13,656	334	1,074	97	312	679	2,037	155	436	3,242	7,886	949	3,690	6,006	17,443	3,045	8,060	485	779
FOREIGN CARS	120	284	3	10	-----	-----	14	42	1	3	84	204	47	184	195	566	66	180	18	29
GRAND TOTAL	72,804	172,425	5,457	17,530	2,921	9,378	14,538	43,614	6,146	17,293	68,474	142,235	8,016	31,550	61,951	179,656	52,935	140,123	11,890	19,113

NOTE:- See text for method of developing the estimated figures

* Based on 1938 data

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed. Cens.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS.

TABLE 33

ESTIMATED NUMBER OF PERSONS ARRIVING BY MOTOR AT EACH RECREATIONAL RESORT

DURING THE SUMMER OF 1939

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	Nantasket Beach Resort #1	Houghton's Pond Resort #2	Ponkapoag Golf Club Resort #3	Quincy Shore Res. Resort #4	Malibu Beach Resort #5	Strandway Beach Resort #6	Franklin Park Resort #7	Revere Beach Resort #8	Lynn-Nahant Beach Resort #9	Middlesex Fells Zoo Resort #10
ZONE A										
Boston	161,340	33,653	5,617	46,725	32,159	215,178	39,002	79,925	34,912	6,304
ZONE B										
Arlington	5,119	237	67	816	177	3,344	814	12,007	11,054	2,393
Belmont	3,850	204	94	691	161	2,981	674	5,427	5,658	758
Braintree	16,458	1,120	593	2,601	255	1,750	639	482	490	138
Brookline	12,715	953	236	3,480	666	9,218	2,326	6,745	8,644	448
Cambridge	12,466	1,002	275	2,234	835	11,606	1,779	21,672	12,351	2,236
Canton	2,001	631	352	260	65	486	232	138	172	-----
Chelsea	1,179	237	22	260	88	1,307	535	30,576	3,939	1,678
Cohasset	5,189	11	10	215	8	224	59	60	74	20
Dedham	4,695	1,421	725	1,023	213	1,666	743	689	718	86
Dover	201	11	-----	27	-----	85	59	36	85	12
Everett	2,079	204	27	475	125	1,581	674	29,396	5,895	3,109
Hingham	17,506	119	44	879	286	496	92	226	188	51
Hull	13,489	48	5	332	36	291	92	114	69	20
Lexington	941	59	5	260	109	727	208	2,273	1,836	303
Lynn	2,388	178	10	359	101	1,297	989	19,758	106,103	4,130
Malden	2,872	323	39	547	198	2,375	662	41,141	10,820	6,260
Medford	5,145	237	55	1,032	395	4,086	754	30,515	12,890	7,290
Melrose	1,164	145	27	395	98	1,247	291	10,818	14,658	4,751
Milton	12,704	3,398	1,522	4,754	892	5,396	1,289	804	912	138
Nahant	33	-----	-----	-----	16	207	36	497	4,371	24
Needham	3,051	464	99	556	60	859	327	1,032	684	157
Newton	12,871	1,120	318	2,682	497	6,287	2,138	8,449	7,484	601
Norwood	5,305	523	164	475	60	1,011	347	515	237	51
Quincy	62,756	4,556	2,584	33,268	1,791	11,210	3,858	2,369	2,104	523
Reading	464	48	-----	117	16	334	128	1,327	4,589	1,183
Revere	1,109	147	22	188	153	799	443	37,962	3,767	1,238
Saugus	536	22	-----	106	44	406	232	4,587	11,399	1,258
Somerville	9,761	501	154	1,453	827	8,055	1,256	31,108	15,206	5,254
Stoneham	554	145	10	152	21	558	175	2,929	4,401	2,437
Stoughton	3,233	226	226	157	52	443	208	211	188	43
Swampscott	219	22	-----	81	-----	187	187	1,941	16,216	460
Wakefield	476	22	17	135	52	309	151	2,465	8,470	1,706
Walpole	1,507	215	5	287	21	164	151	289	139	39
Waltham	4,527	404	94	745	81	2,380	743	5,267	4,697	393
Watertown	6,845	479	50	942	343	4,191	1,173	7,516	5,510	896
Wellesley	2,871	317	27	305	36	1,073	395	969	970	114
Weston	432	37	10	81	29	309	59	322	326	51
Westwood	1,109	226	186	233	-----	296	199	175	342	12
Weymouth	35,428	393	494	2,870	218	1,793	906	620	450	165
Winchester	863	59	5	296	29	812	199	2,342	3,807	1,647
Winthrop	703	96	22	215	73	896	383	8,545	2,045	613
Woburn	1,012	22	5	170	29	752	208	3,416	4,420	1,486
ZONE B TOTALS	277,694	20,597	8,600	66,216	9,154	93,497	26,813	338,730	296,348	53,972
ZONE C										
Abington	3,716	37	-----	296	36	164	128	132	65	-----
Avon	1,120	237	5	144	29	199	24	60	9	8
Bedford	104	22	-----	27	8	127	104	331	203	39
Beverly	413	22	10	99	16	296	187	2,203	3,431	523
Bridgewater	1,507	96	10	108	-----	134	151	307	65	31
Brockton	31,296	905	248	1,094	117	1,775	1,221	1,111	792	138
Burlington	175	22	5	9	8	60	36	418	342	114
Concord	450	22	10	54	21	177	59	515	604	63
Danvers	290	22	-----	36	29	127	80	1,047	2,831	468
E.Bridgewater	774	11	5	-----	-----	60	24	45	15	20
Easton	1,004	22	39	18	16	144	208	132	59	8
Foxboro	651	119	10	45	-----	264	128	166	129	24
Framingham	3,393	189	5	170	36	727	279	1,240	505	134
Gloucester	141	37	-----	63	21	152	104	864	659	220
Hanover	997	11	5	161	-----	97	104	18	65	20
Holbrook	2,459	145	55	108	21	115	92	87	59	-----
Lincoln	52	11	-----	-----	8	164	-----	138	213	20
Lynnfield	71	-----	-----	54	16	85	36	506	1,931	153
Manchester	-----	-----	-----	18	16	55	-----	87	172	43
Mansfield	528	70	5	36	8	60	140	193	49	-----
Marblehead	290	22	5	45	52	187	128	1,171	4,588	409
Maynard	405	11	-----	63	-----	139	48	464	213	51
Medfield	554	22	5	27	16	90	59	193	40	8
Natick	3,638	156	17	466	44	715	303	951	490	65
Norwell	1,063	37	5	287	16	182	12	69	25	12
Peabody	536	22	5	72	21	254	140	2,832	10,069	782
Randolph	4,230	979	214	529	299	1,031	303	280	203	43
Rockland	7,816	37	60	251	29	261	232	202	80	20
Rockport	26	-----	-----	-----	8	30	24	166	154	12
Salem	591	70	17	135	60	448	315	3,486	12,573	829
Scituate	1,700	48	10	395	36	207	80	78	40	20
Sharon	591	156	17	152	21	346	128	114	114	51
Sudbury	97	-----	-----	36	88	152	24	123	65	8
Wayland	528	22	5	72	36	102	80	307	139	-----
W.Bridgewater	662	22	10	99	16	47	12	60	49	8
Whitman	2,238	22	5	296	-----	249	92	78	40	12
Wilmington	212	11	5	45	8	115	68	620	456	271
ZONE C TOTALS	74,938	3,637	792	5,510	1,156	9,557	5,153	20,794	41,636	4,617

Name of Town or City	Nantasket Beach Resort #1	Houghton's Pond Resort #2	Ponkapoag Golf Club Resort #3	Quincy Shore Res. Resort #4	Malibu Beach Resort #5	Strandway Beach Resort #6	Franklin Park Resort #7	Revere Beach Resort #8	Lynn-Nahant Beach Resort #9	Middlesex Fells Zoo Resort #10
ZONE D										
Acton	149	11	-----	18	8	25	12	298	203	31
Andover	336	11	5	54	-----	187	92	455	792	330
Ashland	301	48	-----	27	-----	55	68	96	34	-----
Attleboro	1,120	59	32	81	29	266	255	331	219	94
Ayer	89	11	10	27	21	72	59	280	213	-----
Billerica	327	11	-----	27	29	533	116	891	530	153
Bellingham	134	22	-----	-----	-----	30	59	78	40	-----
Berlin	45	-----	-----	-----	-----	5	-----	16	15	-----
Bolton	25	-----	-----	-----	-----	30	12	9	15	6
Boxborough	-----	-----	-----	-----	-----	-----	12	-----	9	12
Boxford	19	-----	-----	-----	-----	-----	-----	27	40	39
Carlisle	33	-----	-----	-----	-----	12	-----	51	59	-----
Chelmsford	201	37	5	18	16	42	36	506	579	83
Dracut	123	-----	-----	18	-----	25	24	271	336	43
Dunstable	19	-----	-----	-----	-----	-----	-----	9	9	-----
Duxbury	327	22	5	99	8	47	36	45	60	20
Essex	71	-----	-----	9	-----	72	12	36	139	8
Franklin	1,068	70	-----	99	16	144	115	175	105	31
Georgetown	19	-----	-----	9	16	47	-----	60	172	12
Groton	115	-----	-----	-----	6	30	12	114	80	8
Groveland	19	11	-----	-----	-----	12	12	96	25	-----
Halifax	160	22	-----	-----	8	37	24	18	15	12
Hamilton	63	-----	-----	-----	-----	85	48	157	253	12
Hanson	484	-----	17	117	21	80	36	36	15	8
Haverhill	450	11	10	81	29	291	244	1,023	946	393
Harvard	19	-----	5	-----	8	17	-----	36	9	8
Holliston	335	11	-----	27	8	42	12	166	59	12
Hopedale	662	11	-----	27	-----	30	36	69	69	20
Hopkinton	283	22	-----	27	8	60	24	271	74	8
Hudson	651	11	-----	36	-----	177	24	576	213	12
Ipswich	7	-----	10	-----	6	30	59	253	139	43
Kingston	368	-----	-----	72	65	85	36	60	25	8
Lawrence	1,153	59	5	197	65	600	407	3,182	2,030	1,725
Littleton	160	11	5	-----	16	12	12	166	59	12
Lowell	2,079	37	5	251	16	757	466	5,252	6,825	507
Marlborough	1,373	22	27	36	8	242	175	927	505	71
Marshfield	788	85	10	90	81	219	68	46	49	24
Medway	554	11	-----	36	-----	72	48	138	59	20
Mendon	219	-----	-----	-----	-----	12	12	27	-----	8
Merrimac	7	-----	-----	-----	-----	12	-----	60	25	-----
Methuen	245	37	-----	36	16	144	104	762	644	426
Middleborough	651	59	5	99	8	266	128	157	80	24
Middleton	7	-----	-----	27	-----	12	12	123	514	71
Milford	2,704	70	5	72	65	271	140	497	253	39
Millis	495	-----	-----	18	8	72	68	69	49	12
Newbury	7	-----	-----	9	-----	17	-----	60	34	-----
Norfolk	193	11	-----	9	16	42	24	45	49	24
North Andover	141	11	-----	9	-----	67	24	184	293	126
North Attleboro	283	22	-----	54	16	182	24	87	213	12
Northborough	134	-----	-----	-----	-----	25	24	147	74	8
North Reading	141	-----	5	18	16	122	12	367	293	102
Norton	175	-----	-----	9	8	97	12	-----	40	-----
Pembroke	290	59	-----	179	16	115	104	36	15	8
Plainville	134	11	-----	18	8	26	24	51	34	8
Plympton	26	-----	-----	36	-----	-----	-----	-----	-----	8
Reyham	167	-----	-----	-----	8	17	68	27	15	8
Rowley	7	11	-----	-----	-----	30	-----	45	80	12
Sherborn	97	11	10	-----	-----	37	24	27	9	-----
Southborough	361	-----	-----	9	-----	47	36	87	65	12
Stow	115	-----	-----	9	16	25	24	78	59	12
Taunton	1,417	108	10	72	29	478	499	506	268	63
Tewksbury	115	22	-----	18	29	85	24	385	416	86
Topsfield	19	-----	-----	-----	-----	37	12	51	172	31
Tyngsborough	7	-----	-----	-----	-----	37	-----	105	163	-----
Upton	264	22	-----	18	-----	25	59	105	9	12
Wenham	26	-----	-----	18	-----	5	36	16	148	6
Westborough	599	37	-----	16	6	102	12	147	114	20
Westford	134	48	-----	9	-----	37	24	69	59	12
West Newbury	-----	-----	-----	-----	-----	25	-----	16	15	-----
Wrentham	219	37	5	9	16	134	59	147	89	12
ZONE D TOTALS	23,507	1,202	191	2,256	775	7,084	4,229	20,710	19,349	4,933

SUMMARY OF ESTIMATED NUMBER OF PERSONS ARRIVING BY MOTOR AT EACH RECREATIONAL RESORT BY ZONES

ZONE A	161,340	33,653	5,617	46,725	32,159	215,178	39,002	79,925	34,912	6,304
ZONE B	277,694	20,597	8,600	66,216	9,154	93,497	26,813	338,730	296,348	53,972
ZONE C	74,938	3,637	792	5,510	1,156	9,557	5,153	20,794	41,636	4,617
ZONE D	23,507	1,202	191	2,256	775	7,084	4,229	20,710	19,349	4,933
BALANCE OF MASS.	52,080	1,907	291	3,489	593	6,698	6,415	26,994	13,965	2,122
OUT OF STATE	50,800	3,985	534	6,091	1,134	19,636	11,583	52,503	24,825	3,061
FOREIGNERS	1,056	37	-----	126	8	506	546	1,704	554	114
GRAND TOTALS	641,415	65,018	16,025	130,413	44,979	354,156	93,711	541,360	431,569	75,123

NOTE:- See text for method of developing the estimated figures
* Based on 1938 data

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cens.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 34A

ESTIMATED NUMBER OF CARS PARKED AT EACH RECREATIONAL RESORT

AS COMPARED WITH TOTAL NUMBER OF CARS TAXED

IN 1939

WPA Project No. 16161
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	Total Number of Cars Taxed in 1939	Nantasket Beach Resort #1		Houghton's Pond Resort #2		Ponkapoag Golf Club Resort #3		Quincy Shore Res. Resort #4		Malibu Beach Resort #5		Strandway Beach Resort #6		Franklin Park Resort #7		Revere Beach Resort #8		Lynn-Nahant Beach Resort #9		Middlesex Falls Zoo• Resort #10	
		Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed
ZONE A																					
Boston	114,189	43,371	38	9,071	8	3,285	3	15,827	14	12,369	11	88,417	78	13,132	11	26,553	23	11,335	10	1,604	1
ZONE B																					
Arlington	11,955	1,376	12	84	1	39	----	273	2	68	1	1,343	11	274	2	3,989	33	3,589	30	609	5
*Belmont	8,595	1,035	8	55	----	55	----	231	2	82	----	1,197	10	227	2	1,803	15	1,837	15	193	2
Braintree	6,422	4,427	69	302	5	347	5	870	14	98	2	703	12	215	3	180	2	159	2	35	----
Brookline	17,779	3,418	21	257	2	138	1	1,164	7	256	2	3,702	23	783	5	2,241	14	2,157	13	114	1
Cambridge	21,330	3,351	16	270	1	161	1	747	3	321	1	4,661	22	599	3	7,200	34	4,010	19	569	3
Canton	2,117	538	25	170	8	206	10	87	4	25	1	195	9	78	4	46	2	56	3	-----	----
Chelsea	5,378	317	6	64	1	13	----	87	2	34	----	526	10	180	3	10,156	189	1,279	24	427	8
Cohasset	1,478	1,395	94	3	----	6	1	72	5	3	----	90	6	20	1	20	1	24	2	5	1
Dedham	8,012	1,262	25	383	8	424	8	342	7	82	2	669	13	250	5	229	5	233	5	22	----
Dover	792	54	7	3	----	-----	----	9	1	-----	----	34	4	20	3	12	2	21	3	3	----
Everett	7,741	559	7	55	1	16	----	159	2	48	1	835	8	227	3	9,766	126	1,914	25	791	10
Hingham	3,320	4,706	142	32	1	26	1	294	9	110	3	199	6	31	1	75	2	61	2	13	----
Hull	1,192	3,496	304	13	1	3	----	111	9	14	1	117	10	31	3	38	3	19	2	5	1
Lexington	4,536	253	6	16	----	3	----	87	2	42	1	292	6	70	1	755	17	596	13	77	2
Lynn	21,318	542	3	48	----	8	----	120	1	39	----	521	2	333	1	5,564	31	34,449	162	1,051	5
Malden	12,606	772	6	87	1	23	----	183	2	78	----	954	7	223	2	13,866	108	3,513	26	1,593	13
Medford	16,379	1,383	8	64	----	32	----	345	2	152	1	1,642	10	254	2	10,138	62	4,185	26	1,855	11
Melrose	8,490	313	4	39	----	16	----	132	2	37	----	501	6	98	2	3,594	42	4,759	56	1,209	14
Milton	7,712	3,415	44	916	12	890	12	1,590	21	343	4	2,167	28	434	6	267	3	296	4	35	----
Nahant	638	9	1	-----	----	-----	----	-----	----	6	1	83	13	12	2	165	26	1,419	222	6	1
Needham	5,062	831	16	125	2	58	1	186	4	23	1	345	7	110	2	343	7	222	4	40	1
Newton	27,527	3,460	13	302	1	186	1	897	3	191	1	2,525	9	720	3	2,807	10	2,430	9	153	----
Norwood	3,998	1,428	37	141	4	96	2	159	4	23	1	406	11	117	3	171	4	77	2	13	----
Quincy	23,517	16,870	72	1,228	5	1,511	6	11,133	47	689	3	4,502	19	1,299	6	787	3	863	3	133	1
Reading	3,470	130	4	13	----	-----	----	39	1	6	----	134	4	43	1	441	13	1,490	43	301	9
Revere	5,856	298	5	45	1	13	----	63	1	59	1	321	6	149	3	12,612	215	1,823	31	315	6
Saugus	4,531	144	3	6	----	-----	----	36	1	17	----	163	3	78	2	1,524	34	3,701	82	320	7
Somerville	18,711	2,694	14	135	1	90	1	486	3	318	2	3,235	17	423	2	10,335	55	4,937	26	1,337	7
Stoneham	3,331	149	4	39	1	6	----	51	2	8	----	224	7	58	2	973	29	1,429	43	620	19
Stoughton	2,469	869	35	61	2	132	5	66	3	20	1	178	7	70	3	70	3	61	2	11	1
Swampscott	4,176	59	1	6	----	-----	----	27	1	-----	----	75	2	63	2	645	15	5,265	126	117	3
Wakefield	4,478	128	3	8	----	10	----	45	1	20	1	124	3	51	1	619	18	2,750	61	434	10
Walpole	2,781	405	15	58	2	3	----	98	3	8	----	66	2	51	3	98	3	45	2	10	----
Waltham	10,417	1,217	12	109	1	55	1	249	2	31	----	956	9	250	2	2,082	20	1,525	15	100	1
Watertown	9,462	1,840	20	129	1	29	----	315	3	132	1	1,663	18	396	4	2,497	27	1,789	19	177	2
Wellesley	5,468	718	11	84	1	18	----	102	2	14	----	431	7	133	2	322	5	315	5	29	----
Weston	2,031	116	6	10	1	6	----	27	1	11	1	124	6	20	1	107	5	106	5	13	1
Westwood	1,709	298	17	61	4	109	6	78	5	-----	----	119	7	67	4	68	3	111	7	3	----
Weymouth	8,174	9,823	118	106	1	289	3	960	12	84	1	720	9	306	4	206	3	146	2	42	----
Winchester	5,057	232	5	16	----	3	----	99	2	11	----	326	7	87	1	778	16	1,236	25	419	8
Winthrop	4,372	189	4	26	1	13	----	72	2	26	1	360	8	129	3	2,839	65	664	15	156	3
Woburn	4,577	272	6	6	----	3	----	57	1	11	----	302	7	70	2	1,135	25	1,435	31	378	8
ZONE B - TOTAL	326,964	74,649	23	5,553	2	5,032	2	22,146	7	3,520	1	37,549	11	9,088	3	112,535	34	98,216	29	13,733	4
ZONE C																					
Abington	1,909	999	52	10	1	-----	----	99	5	14	1	66	4	43	2	44	2	21	1	-----	----
Avon	700	301	43	64	9	3	1	48	7	11	2	80	11	8	1	20	2	3	1	2	----
Bedford	1,171	28	2	8	1	-----	----	9	1	3	----	51	4	35	3	110	9	66	6	10	1
Beverly	7,667	111	1	6	----	6	----	33	----	6	----	119	2	83	1	732	10	1,114	14	133	2
Bridgewater	2,039	405	20	26	1	8	----	36	2	-----	----	54	3	51	3	102	5	21	1	8	----
Brockton	16,748	8,413	52	244	2	145	1	386	2	45	----	713	4	411	3	389	2	257	2	35	----
*Burlington	769	47	6	8	1	3	----	3	----	3	----	24	3	12	2	139	18	111	15	29	4
Concord	2,590	121	5	6	----	8	----	18	1	8	----	71	3	20	1	171	7	196	7	16	----
Danvers	3,900	78	2	8	----	-----	----	12	----	11	----	51	1	27	1	348	9	919	24	119	3
E.Bridgewater	1,560	208	13	3	----	3	----	-----	----	-----	----	24	2	8	1	15	1	5	----	5	----
Easton	2,039	270	13	8	----	23	1	8	----	6	----	58	3	70	4	44	2	19	1	2	----
Foxboro	1,940	176	9	32	2	8	----	15	1	-----	----	114	6	43	2	55	3	42	2	6	----
Framingham	7,038	912	13	51	1	3	----	57	1	14	----	292	4	94	1	412	6	164	2	34	----
Gloucester	5,821	38	1	10	----	-----	----	21	----	8	----	61	1	35	1	287	6	214	4	58	1
Hanover	1,215	268	22	3	----	3	----	54	5	-----	-----	39	3	35	3	6	1	21	2	5	----
Holbrook	1,235	661	53	39	3	32	3	36	3	6	----	46	4	31	3	29	2	19	2	-----	----
Lincoln	941	14	2	3	----	-----	----	-----	----	3	----	66	7	-----	----	48	5	69	7	6	1
Lynnfield	1,140	19	2	-----	----	-----	----	18	2	6	----	34	3	12	1	168	15	627	55	39	3
Manchester	1,008	-----	----	-----	----	-----	----	6	1	6	1	22	2	-----	----	29	3	56	6	11	1
Mansfield	2,159	142	6	19	1	3	----	12	1	3	----	24	1	47	2	64	3	16	1	-----	----
Marblehead	4,407	78	2	8	----	3	----	15	----	20	----	75	2	43	1	389	9	1,522	35	104	2
Maynard	1,844	109	6	3	----	-----	----	21	1	-----	----	58	3	16	1	154	8	69	4	13	1
Medfield	936	149	16	6	1	3	----	9	1	6	1	36	4	20	2	64	7	13	1	2	----
Natick	4,950	978	20	42	1	10	----	156	3	17	----	287	6	102	2	318	7	159	3	14	----
Norwell	919	291	32	10	1	3	----	96	10	6	1	73	8	4	----	23	3	8	1	3	----
Peabody	5,195	144	3	6	----	3	----	24	----	8	----	102	2	47	1	941	18	3,289	63	199	4
Randolph	2,350	1,137	48	264	11	125	5	177	8	115	5	414	18	102	4	93	4	66	3	11	1
Rockland	2,519	2,101	83	10	1	35	1	84	3	11	1	105	4	76	3	67	3	28	1	6	----
Rockport	1,681	7	1	-----	----	-----	----	-----	----	3	----	12	1	8	1	66	6	60	4	3	----
Salem	8,671	159	2	19	----	10	----	46	1	23	----	180	2	106	1	1,158	13	4,082	47	211	3
Scituate	1,971	457	23	13	1	8	----	132	7	14	1	83	4	27	1	26	1	13	1	5	----
Sharon	1,524	159	10	42	3	10	1	51	3	8	1	139	9	43	3	38	2	37	2	13	1
Sudbury	919	26	3	-----	----	-----	----	12	1	34	4	61	7	8	1	41	4	21	2	2	----
Wayland	1,607	142	9	6	----	3	----	24	1	14	1	41	3	27	2	102	6	45	3	-----	----
W.Bridgewater	1,964	178	14	6	----	8	----	33	3	8	----	19	3	4	----	20	2	16	1	2	----
Whitman	2,502	767	31	5	----	3	----	99	4	-----	----	100	4	31	1	26	1	13	1	3	----
Wilmington	1,487	57	4	3	----	3	----	15	1	3	----	46	3	23	2	206	14	148	10	89	6
ZONE C - TOTAL	106,674	20,145	19	982	1	465	----	1,842	2	443	----	3,838	4	1,734	2	6,909	6	13,617	13	1,174	1

* 1938 Figures ---------- NOTE:- No Percentages given when less than 1%

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42 Municip.)
ZONE C - Balance of Fed.Cene.Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 34B

ESTIMATED NUMBER OF CARS PARKED AT EACH RECREATIONAL RESORT

AND THEIR PERCENTAGE RELATIONSHIP TO CARS TAXED

IN 1939

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

Name of Town or City	Total Number of Cars Taxed in 1939	Nantasket Beach Resort #1		Houghton's Pond Resort #2		Fonkapoag Golf Club Resort #3		Quincy Shore Res. Resort #4		Malibu Beach Resort #5		Strandway Beach Resort #6		Franklin Park Resort #7		Revere Beach Resort #8		Lynn-Nahant Beach Resort #9		Middlesex Fells Zoo Resort #10*	
		Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed	Estimated Number	% of Cars Taxed
ZONE D																					
Acton	1,212	40	3	3	---	-----	---	6	1	3	---	10	1	4	---	99	8	66	6	8	1
Andover	3,287	90	2	3	---	3	---	18	1	-----	---	75	2	31	1	151	4	267	6	84	2
*Ashland	856	81	9	13	1	-----	---	9	1	-----	---	22	3	23	3	32	4	11	1	-----	---
Attleboro	7,102	301	4	16	---	19	---	27	---	11	---	107	2	86	1	110	2	71	1	24	---
Ayer	1,031	24	2	3	---	6	---	9	1	8	1	29	3	20	2	93	9	69	7	-----	---
Bellingham	975	36	4	6	1	-----	---	-----	---	-----	---	12	1	20	2	26	3	13	1	-----	---
Berlin	479	12	3	-----	---	-----	---	-----	---	-----	---	2	---	-----	---	6	1	5	1	-----	---
Billerica	2,459	88	3	3	---	-----	---	9	---	11	---	214	9	39	2	296	12	172	7	39	2
Bolton	361	7	2	-----	---	-----	---	-----	---	-----	---	12	3	4	1	3	1	5	1	2	1
Boxborough	207	-----	---	-----	---	-----	---	-----	---	-----	---	5	3	-----	---	-----	---	3	1	3	1
Boxford	431	5	1	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	9	2	13	3	10	2
*Carlisle	340	9	3	-----	---	-----	---	-----	---	-----	---	5	1	-----	---	17	5	19	6	-----	---
Chelmsford	2,794	54	2	10	---	3	---	6	---	6	---	17	1	12	---	165	6	188	7	21	1
Dracut	1,666	33	2	-----	---	-----	---	6	---	-----	---	10	1	6	---	90	5	109	7	11	1
Dunstable	194	5	2	-----	---	-----	---	-----	---	-----	---	-----	---	-----	---	3	2	3	2	-----	---
Duxbury	1,323	88	7	6	1	3	---	33	3	3	---	19	1	12	1	15	1	26	2	5	---
Essex	611	19	3	-----	---	-----	---	3	1	-----	---	29	5	4	1	12	2	45	7	2	---
Franklin	1,931	287	15	19	1	-----	---	33	2	6	---	58	3	39	2	56	3	34	2	8	---
*Georgetown	709	5	1	-----	---	-----	---	3	---	6	1	19	3	-----	---	20	3	56	8	3	---
Groton	1,175	31	3	-----	---	-----	---	-----	---	3	---	12	1	4	---	38	4	26	2	2	---
Groveland	622	5	1	3	---	-----	---	-----	---	-----	---	5	1	4	1	32	5	8	1	-----	---
*Halifax	356	43	12	6	2	-----	---	-----	---	3	1	15	4	8	2	6	2	5	1	3	1
Hamilton	1,012	17	2	-----	---	-----	---	-----	---	-----	---	34	3	16	2	52	5	62	8	3	---
Hanson	1,103	130	12	-----	---	10	1	39	4	6	1	32	3	12	1	12	1	5	---	2	---
Harvard	666	5	1	-----	---	3	---	-----	---	3	---	7	2	-----	---	12	2	3	---	2	---
Haverhill	10,204	121	1	3	---	6	---	27	---	11	---	117	1	82	1	340	3	307	3	100	1
Holliston	1,114	90	8	3	---	-----	---	9	1	3	---	17	2	4	---	55	5	19	2	3	---
Hopedale	1,014	178	18	3	---	-----	---	9	1	-----	---	12	1	12	1	23	2	29	3	5	1
Hopkinton	1,012	76	8	6	1	-----	---	9	1	3	---	24	2	8	1	90	9	24	2	2	---
Hudson	1,876	175	9	3	---	-----	---	12	1	-----	---	71	4	8	---	192	10	69	4	3	---
Ipswich	1,860	2	---	-----	---	6	---	-----	---	3	---	12	1	20	1	84	5	45	2	11	1
Kingston	981	99	10	-----	---	-----	---	24	2	25	3	34	4	12	1	20	2	8	1	2	---
Lawrence	15,260	310	2	16	---	3	---	66	---	25	---	241	2	137	1	1,057	7	659	4	439	3
Littleton	848	43	5	3	---	3	---	-----	---	6	1	5	1	4	1	55	7	19	2	3	---
Lowell	16,382	559	3	10	---	3	---	84	---	6	---	304	2	167	1	1,745	11	2,216	14	129	1
*Marlborough	3,349	369	11	6	---	16	---	12	---	3	---	97	3	59	2	308	9	164	5	16	1
Marshfield	1,376	206	15	23	2	6	---	30	2	31	3	88	6	23	2	15	1	16	1	6	---
Medway	541	149	16	3	---	-----	---	12	1	-----	---	29	3	16	2	46	5	19	2	5	1
Mendon	467	59	13	-----	---	-----	---	-----	---	-----	---	5	1	4	1	9	2	-----	---	2	---
Merrimac	763	2	---	-----	---	-----	---	-----	---	-----	---	5	1	-----	---	20	3	8	1	-----	---
Methuen	6,150	66	1	10	---	-----	---	12	---	6	---	58	1	35	1	253	4	209	3	109	2
Middleborough	3,491	175	5	16	---	3	---	33	1	3	---	107	3	43	1	52	2	26	1	6	---
Middleton	766	2	---	-----	---	-----	---	9	1	-----	---	5	1	4	1	41	5	167	22	16	2
Milford	3,235	727	22	19	1	3	---	24	1	25	1	109	3	47	1	165	5	62	3	10	---
Millis	784	133	17	-----	---	-----	---	6	1	3	---	29	4	23	3	23	3	16	2	3	---
Newbury	638	2	---	-----	---	-----	---	3	---	-----	---	7	1	-----	---	20	3	11	1	-----	---
Norfolk	633	52	9	3	---	-----	---	3	---	6	1	17	3	8	1	15	2	16	3	6	1
*North Andover	2,233	38	2	3	---	-----	---	3	---	-----	---	27	1	8	---	61	3	95	4	32	2
North Attleboro	3,492	76	2	6	---	-----	---	18	1	6	---	73	2	8	---	29	1	69	2	3	---
Northborough	975	38	4	-----	---	-----	---	-----	---	-----	---	10	1	6	1	49	5	24	2	2	---
North Reading	1,130	38	3	-----	---	3	---	6	1	6	1	49	4	4	---	122	11	95	8	28	2
Norton	1,220	47	5	-----	---	-----	---	3	---	3	---	39	3	4	---	-----	---	13	1	-----	---
Pembroke	924	78	8	16	2	-----	---	60	6	8	1	46	5	35	4	12	1	5	1	2	---
Plainville	708	36	5	3	1	-----	---	6	1	3	1	10	1	8	1	17	2	11	2	2	---
Plympton	229	7	3	-----	---	-----	---	12	5	-----	---	-----	---	-----	---	-----	---	-----	---	2	1
Raynham	834	45	5	-----	---	-----	---	-----	---	3	---	7	1	23	3	9	1	5	1	2	---
Rowley	595	2	---	3	1	-----	---	-----	---	-----	---	12	2	-----	---	15	2	26	4	3	1
Sherborn	548	26	5	3	1	6	1	-----	---	-----	---	15	3	8	1	9	1	3	1	-----	---
Southborough	970	97	11	-----	---	-----	---	3	---	-----	---	19	2	12	1	29	3	21	2	3	---
Stow	556	31	6	-----	---	-----	---	3	1	6	1	10	2	6	1	26	4	19	3	3	1
Taunton	10,093	381	4	29	---	6	---	24	---	11	---	192	2	168	2	168	2	87	1	16	---
Tewksbury	1,216	31	3	6	---	-----	---	6	----	11	1	34	3	8	1	128	10	135	11	22	2
*Topsfield	537	5	1	-----	---	-----	---	-----	---	-----	---	15	2	4	1	17	3	56	9	8	1
Tyngsborough	631	2	---	-----	---	-----	---	-----	---	-----	---	15	2	-----	---	35	6	53	8	-----	---
*Upton	832	71	9	6	1	-----	---	6	1	-----	---	10	1	20	2	35	4	3	---	3	---
Wenham	527	7	1	-----	---	-----	---	6	1	-----	---	2	---	12	2	6	1	48	8	2	---
Westborough	1,620	161	10	10	1	-----	---	6	---	3	---	41	3	4	---	49	3	37	2	5	---
Westford	1,202	36	3	13	1	-----	---	3	---	-----	---	15	1	8	1	23	2	19	2	3	---
West Newbury	499	-----	---	-----	---	-----	---	-----	---	-----	---	10	2	-----	---	6	1	5	1	-----	---
Wrentham	1,169	59	5	10	1	3	---	3	---	6	1	54	5	20	2	49	4	29	2	3	---
ZONE D - TOTALS	139,617	6,320	5	326	---	114	---	753	1	294	---	2,848	2	1,422	1	6,802	5	6,261	5	1,254	1

SUMMARY OF ESTIMATED NUMBER OF CARS PARKED AT EACH RECREATIONAL RESORT

AND THEIR PERCENTAGE RELATIONSHIP

TO MASS. CARS TAXED IN 1939 IN EACH ZONE

ZONE A	114,189	43,371	38	9,071	8	3,286	3	16,827	14	12,369	11	86,417	78	13,132	11	26,553	23	11,335	10	1,604	1
ZONE B	326,994	74,649	23	5,553	2	5,032	2	22,146	7	3,520	1	37,549	11	9,026	3	112,835	34	96,216	29	13,733	4
ZONE C	106,674	20,145	19	982	1	465	---	1,842	2	443	---	3,838	4	1,734	2	6,909	6	13,517	13	1,174	1
ZONE D	139,617	6,320	5	326	---	114	---	753	1	294	---	2,848	2	1,422	1	6,802	5	6,261	5	1,254	1
*OTHER MASS. CARS	319,256	14,000	4	514	---	170	---	1,167	---	228	---	3,493	1	2,160	1	8,966	3	4,534	1	540	---
TOTAL MASS. CARS	1,006,702	158,485	16	16,446	2	9,065	1	41,536	4	16,854	2	134,145	13	27,476	3	161,847	16	131,863	13	16,305	2

* 1938 Figures
Note:-No Percentages given when less than 1%

Description of Zones
ZONE A - Boston
ZONE B - Balance of Met.Dist.(42Municip.)
ZONE C - Balance of Fed. Cens. Met.Dist.(37 Municip.)
ZONE D - Balance of 30 Mile Radius Dist.(69 Municip.)

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS

TABLE 35

ESTIMATED NUMBER OF CARS PARKED

AT EACH RECREATIONAL RESORT DURING THE SUMMER OF 1939

BY ZONES

WPA Project No. 16151
Survey of Governmental Units
Sponsored by Massachusetts State Planning Board
Co-Sponsors:-Metropolitan District Commission
Boston City Planning Board

ZONES	Nantasket Beach Resort #1		Houghton's Pond Resort #2		Ponkapoag Golf Club Resort #3		Quincy Shore Res. Resort #4		Malibu Beach Resort #5		Strandway * Beach Resort #6		Franklin * Park Resort #7		Revere Beach Resort #8		Lynn-Nahant Beach Resort #9		Middlesex ** Fells Zoo Resort #10	
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
ZONE A	43,371	25.1	9,071	51.7	3,285	35.0	16,627	38.8	12,369	71.5	86,417	60.8	13,132	41.6	28,553	14.8	11,336	8.1	1,804	9.4
ZONE B	74,649	43.3	5,553	31.7	5,032	53.7	22,146	50.8	3,520	20.4	37,649	26.4	9,028	28.6	112,535	62.6	96,216	68.7	13,733	71.9
ZONE C	20,145	11.7	982	5.6	465	4.9	1,842	4.2	443	2.6	3,838	2.7	1,734	5.5	6,909	3.8	13,517	9.6	1,174	6.1
ZONE D	6,320	3.7	326	1.9	114	1.2	763	1.7	294	1.7	2,646	2.0	1,422	4.5	6,662	3.6	6,281	4.5	1,264	6.6
OTHER MASS. CARS	14,000	8.1	514	2.9	170	1.8	1,167	2.7	228	1.3	3,493	2.5	2,160	6.9	8,968	5.0	4,534	3.2	540	2.8
OTHER U.S. CARS	13,656	7.9	1,074	6.1	312	3.4	2,037	4.7	436	2.5	7,886	5.5	3,890	12.3	17,443	9.7	8,060	5.6	779	4.1
FOREIGN CARS	264	0.2	10	0.1	-----	----	42	0.1	3	----	204	0.1	184	0.6	586	0.3	180	0.1	29	0.1
TOTAL	172,425	100.0	17,530	100.0	9,378	100.0	43,614	100.0	17,293	100.0	142,236	100.0	31,550	100.0	179,856	100.0	140,123	100.0	19,113	100.0

* Maintained Entirely by the City of Boston

**-1936 figures

CHART NO. 15

ORIGIN BY ZONES OF ESTIMATED NUMBER OF CARS PARKED AT EACH RECREATIONAL RESORT DURING THE SUMMER OF 1939

ON A PERCENTAGE BASIS

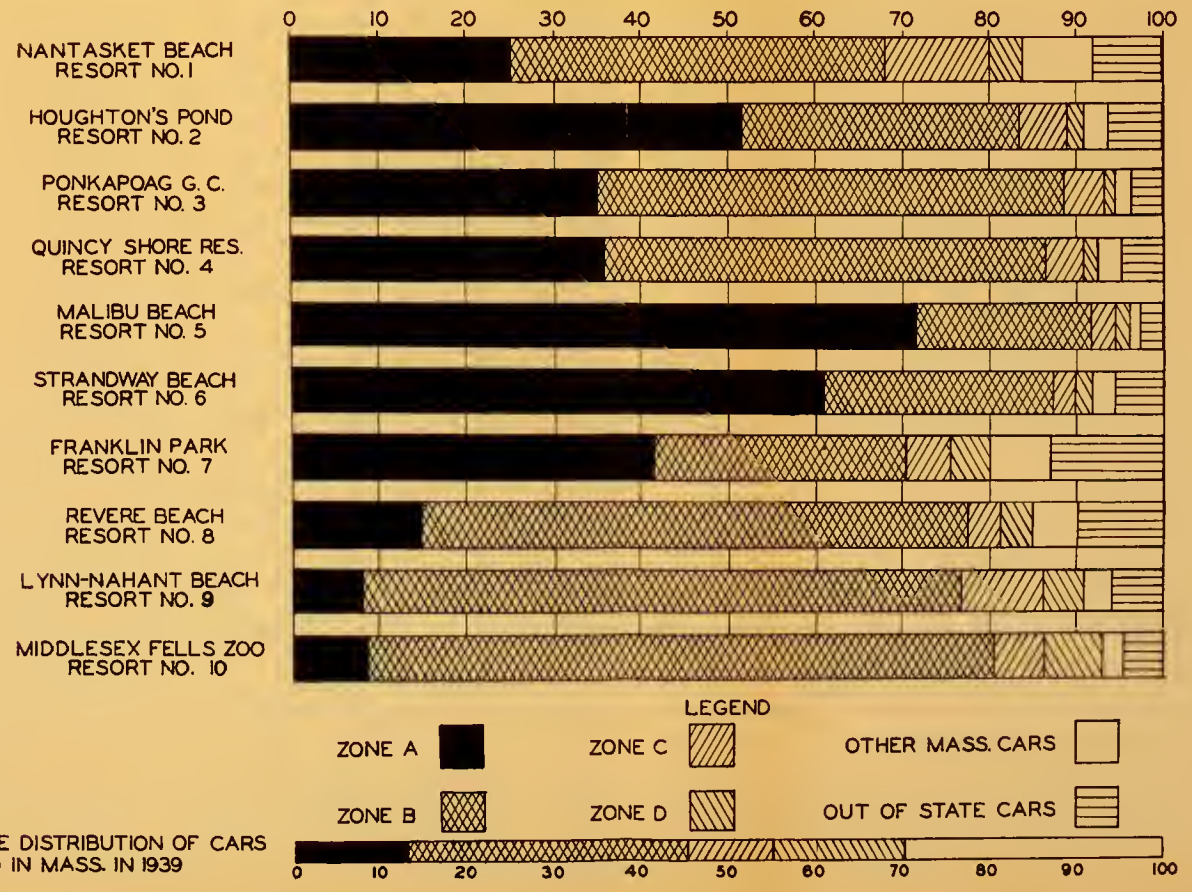
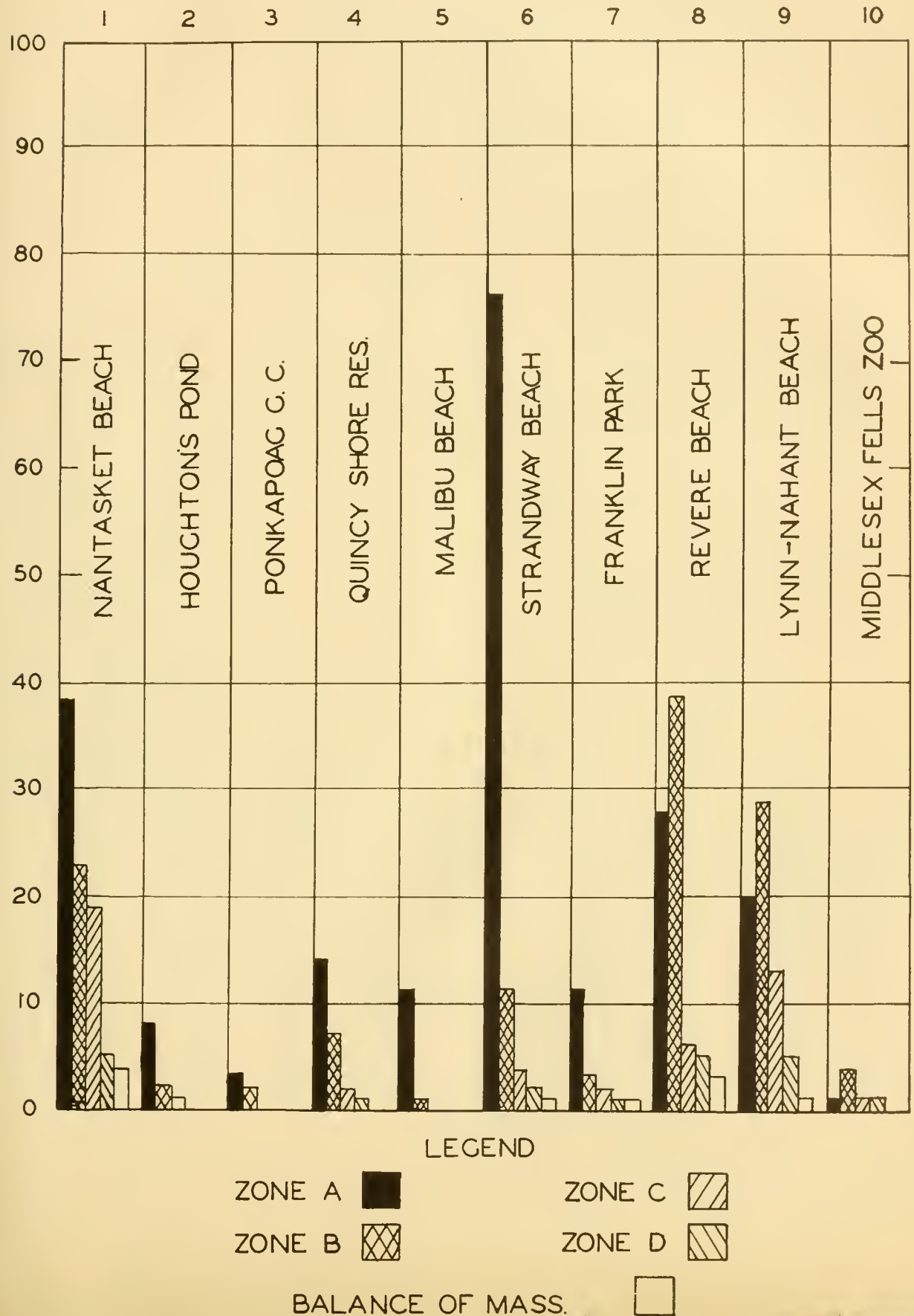


CHART NO. 16

PERCENTAGE RELATIONSHIP OF THE ESTIMATED NUMBER OF CARS PARKED AT EACH RECREATIONAL RESORT TO THE NUMBER OF MASS. CARS TAXED IN 1939 IN EACH ZONE



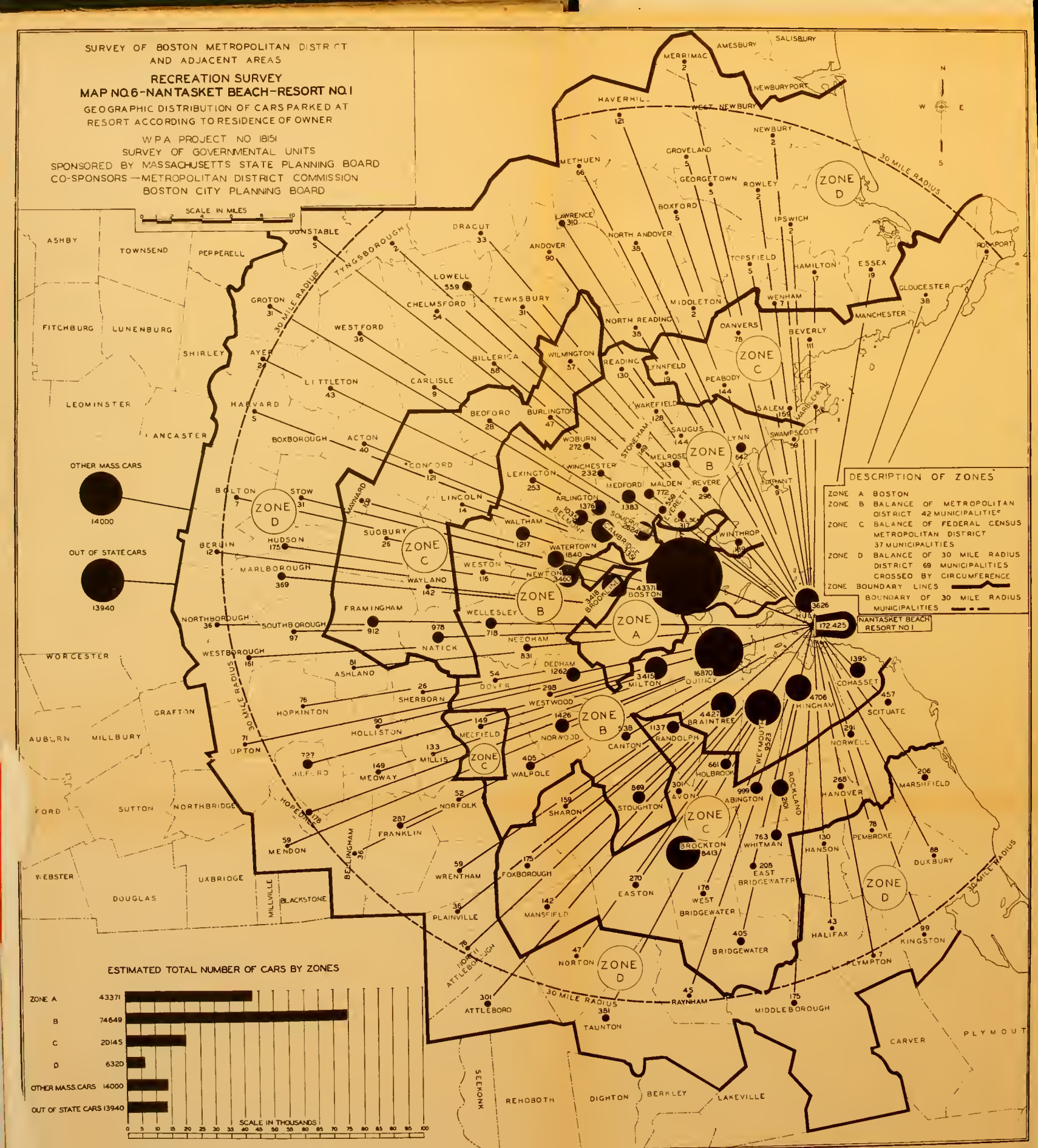
SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

RECREATION SURVEY
MAP NO. 6 - NANTASKET BEACH - RESORT NO. 1

GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT
RESORT ACCORDING TO RESIDENCE OF OWNER

W.P.A. PROJECT NO 1815.1
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS — METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

SCALE IN MILES 0 1 2 4 6 8 10



DESCRIPTION OF ZONES

- ZONE A BOSTON
- ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
- ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
- ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES GROSSED BY CIRCUMFERENCE
- ZONE BOUNDARY LINES
- BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES

ESTIMATED TOTAL NUMBER OF CARS BY ZONES

SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

RECREATION SURVEY
MAP NO. 7—HOUGHTON'S POND—RESORT NO. 2

GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT
RESORT ACCORDING TO RESIDENCE OF OWNER

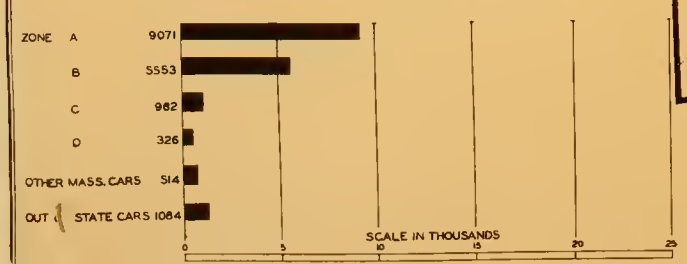
W.P.A. PROJECT NO 18151
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS—METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

SCALE IN MILES 0 1 2 4 6 8 10

DESCRIPTION OF ZONES

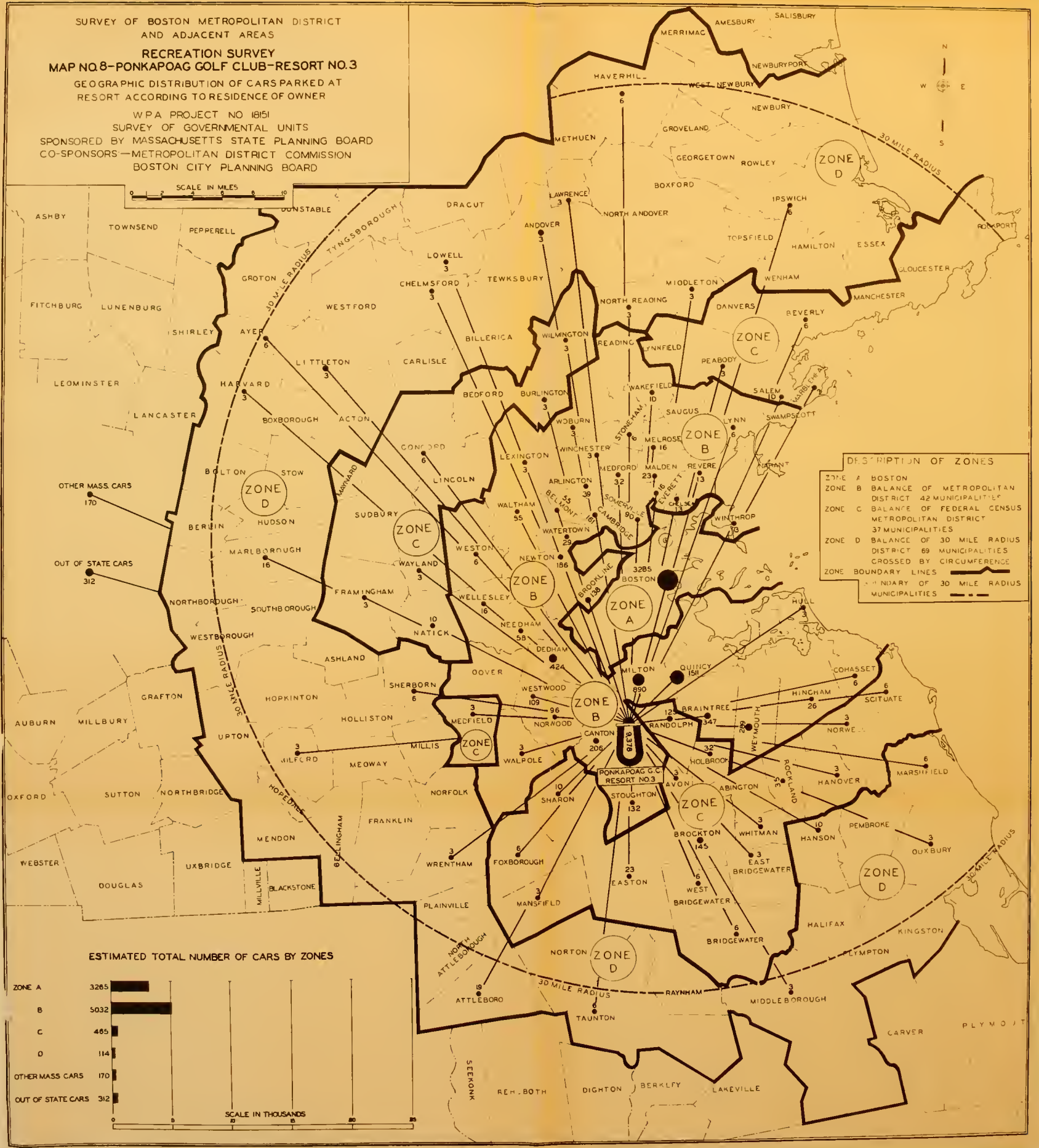
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES

ESTIMATED TOTAL NUMBER OF CARS BY ZONES



HOUGHTON'S POND RESORT NO. 2 — 1730

30 MILE RADIUS

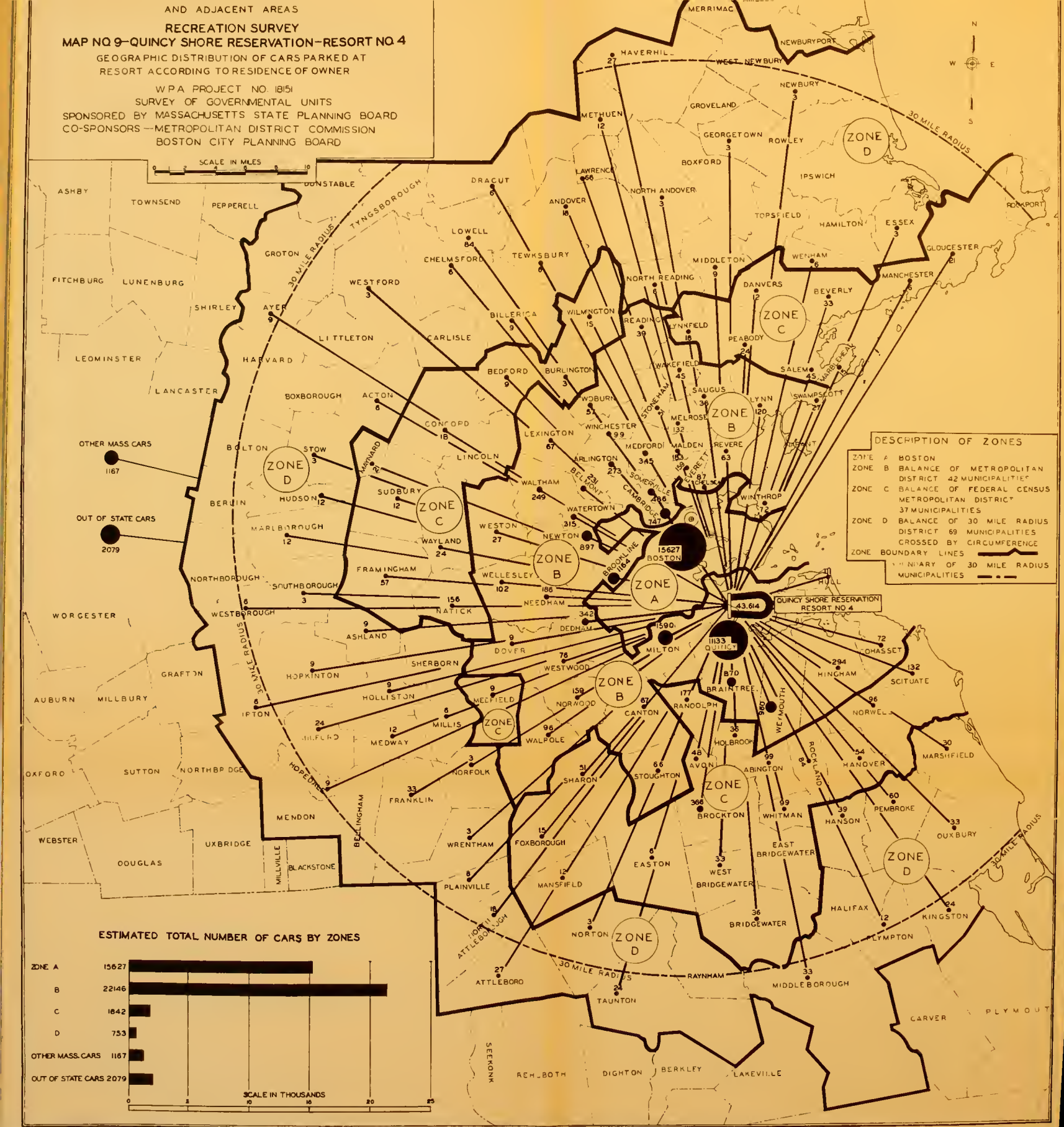

SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS
RECREATION SURVEY
MAP NO. 8—PONKAPOAG GOLF CLUB—RESORT NO. 3
GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT RESORT ACCORDING TO RESIDENCE OF OWNER
W P A PROJECT NO 1815 I
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS—METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD
SCALE IN MILES
30 MILE RADIUS
ZONE A
ZONE B
ZONE C
ZONE D
BOSTON
3285
PONKAPOAG G.C. RESORT NO. 3
9378
DESCRIPTION OF ZONES
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES
OTHER MASS. CARS 170
OUT OF STATE CARS 312
ESTIMATED TOTAL NUMBER OF CARS BY ZONES
ZONE A 3265
B 5032
C 465
D 114
OTHER MASS CARS 170
OUT OF STATE CARS 312
SCALE IN THOUSANDS

AND ADJACENT AREAS

RECREATION SURVEY
MAP NO 9—QUINCY SHORE RESERVATION—RESORT NO 4

GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT RESORT ACCORDING TO RESIDENCE OF OWNER

W P A PROJECT NO. 1815I
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS—METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD



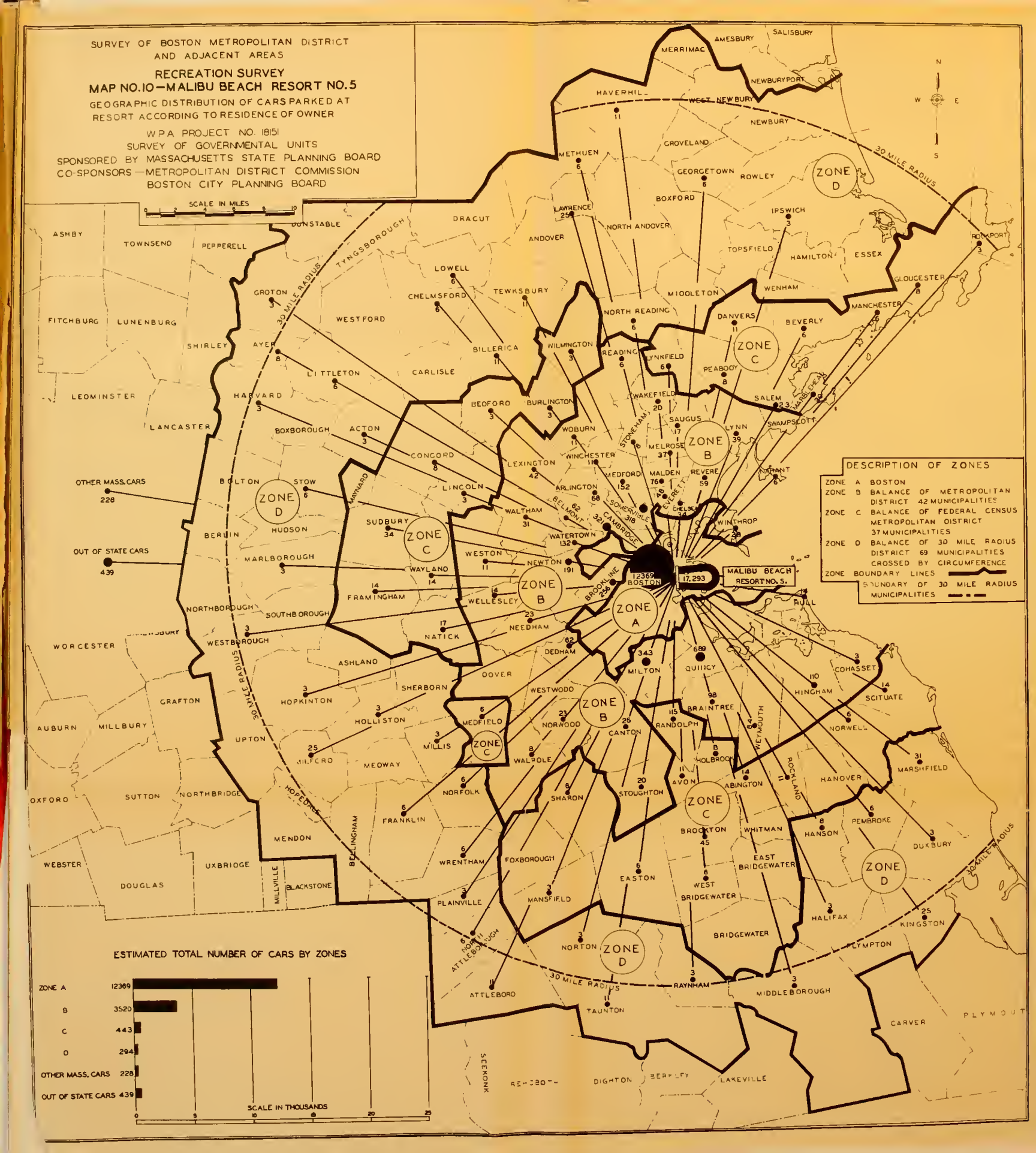
ESTIMATED TOTAL NUMBER OF CARS BY ZONES

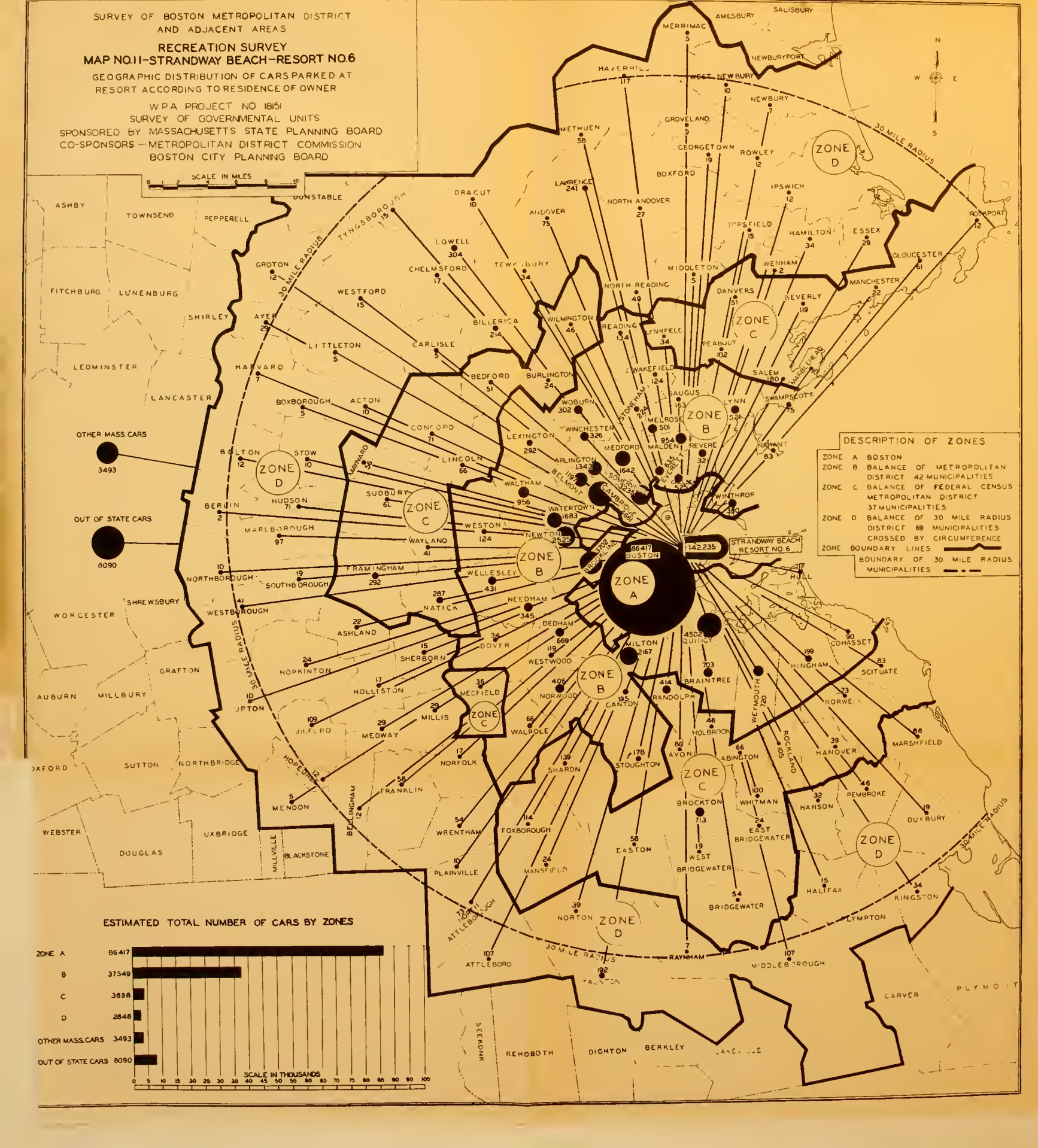
SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

RECREATION SURVEY
MAP NO. 10—MALIBU BEACH RESORT NO. 5

GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT
RESORT ACCORDING TO RESIDENCE OF OWNER

W.P.A. PROJECT NO. 18151
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS—METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD




SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS
RECREATION SURVEY
MAP NO.11-STRANDWAY BEACH-RESORT NO.6
GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT RESORT ACCORDING TO RESIDENCE OF OWNER
W.P.A. PROJECT NO 1815
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS—METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD
SCALE IN MILES
0 1 2 4 6 8 10
N
S
E
W
DESCRIPTION OF ZONES
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES
OTHER MASS. CARS 3493
OUT OF STATE CARS 8090
STRANDWAY BEACH RESORT NO 6
142,235
ZONE A 86417 BOSTON
ZONE B 37549
ZONE C 3838
ZONE D 2848
ESTIMATED TOTAL NUMBER OF CARS BY ZONES
ZONE A 86417
B 37549
C 3838
D 2848
OTHER MASS. CARS 3493
OUT OF STATE CARS 8090
SCALE IN THOUSANDS
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100
30 MILE RADIUS
TYNGSBOROUGH
MAYNARD
BELMONT
SOMERVILLE 3235
CAMBRIDGE 4685
EVERETT 1635
CHELSEA 1642
BROOKLINE 3702
QUINCY 4502
MILTON 2167
BRAINTREE 703
WEYMOUTH 220
ROCKLAND 105
HINGHAM 199
COHASSET 90
SCITUATE 83
MARSHFIELD 86
DUXBURY 19
PEMBROKE 46
HANSON 32
WHITMAN 100
EAST BRIDGEWATER 24
WEST BRIDGEWATER 19
BRIDGEWATER 54
HALIFAX 15
KINGSTON 34
PLYMPTON
CARVER
PLYMOUTH
RAYNHAM 7
MIDDLEBOROUGH 107
ATTLEBORO 107
NORTON 39
EASTON 58
STOUGHTON 178
AVON 80
HOLBROOK 46
RANDOLPH 414
CANTON 195
NORWOOD 406
WALPOLE 66
FOXBOROUGH 114
SHARON 139
NORFOLK 17
WRENTHAM 54
PLAINVILLE 10
MANSFIELD 24
FRANKLIN 58
MENDON 6
HOPEDALE 12
MILFORD 109
MEDWAY 29
MILLIS 29
MEDFIELD 36
HOPKINTON 24
HOLLISTON 17
UPTON 10
ASHLAND 22
SHERBORN 15
DOVER 34
NATICK 287
NEEDHAM 345
DEDHAM 669
WESTWOOD 119
WELLESLEY 431
WESTBOROUGH 41
SHREWSBURY 41
NORTHBOROUGH 10
SOUTHBOROUGH 19
FRAMINGHAM 292
WAYLAND 41
WESTON 124
NEWTON 2525
WATERTOWN 1683
BELMONT 119
WALTHAM 956
SUDBURY 61
HUDSON 71
BERLIN 2
MARLBOROUGH 97
BOLTON 12
STOW 10
MAYNARD 15
LINCOLN 66
CONCORD 71
BOXBOROUGH 5
ACTON 10
HARVARD 7
LITTLETON 5
AYER 29
SHIRLEY
FITCHBURG
LUNENBURG
LEOMINSTER
LANCASTER
GROTON 12
WESTFORD 15
CARLISLE 5
BEDFORD 51
BURLINGTON 24
BILLERICA 214
CHELMSFORD 17
LOWELL 304
TEWKSBURY 34
DRACUT 10
DUNSTABLE 15
ASHBY
TOWNSEND
PEPPERELL
WOBURN 302
WINCHESTER 326
LEXINGTON 292
ARLINGTON 1343
MEDFORD 1642
MELROSE 501
MALDEN 954
REVERE 321
WINTHROP 180
NAHANT 83
LYNN 521
SWAMPSCOTT 75
SALEM 180
MARBLEHEAD
STONEHAM 224
WAKEFIELD 124
SAUGUS 163
PEABODY 102
LYNNFIELD 34
READING 134
WILMINGTON 46
NORTH READING 49
DANVERS 51
MIDDLETON 5
WENHAM 2
BEVERLY 119
MANCHESTER 22
GLOUCESTER 61
ROCKPORT 12
ESSEX 29
HAMILTON 34
TOPSFIELD 15
IPSWICH 12
ROWLEY 12
BOXFORD
NORTH ANDOVER 27
ANDOVER 75
METHUEN 58
LAWRENCE 241
GROVELAND 5
GEORGETOWN 19
NEWBURY 7
WEST NEWBURY 10
HAVERHILL 117
MERRIMAC 5
AMESBURY
SALISBURY
NEWBURYPORT
ZONE A
ZONE B
ZONE C
ZONE D
OTHER MASS. CARS
3493
OUT OF STATE CARS
8090

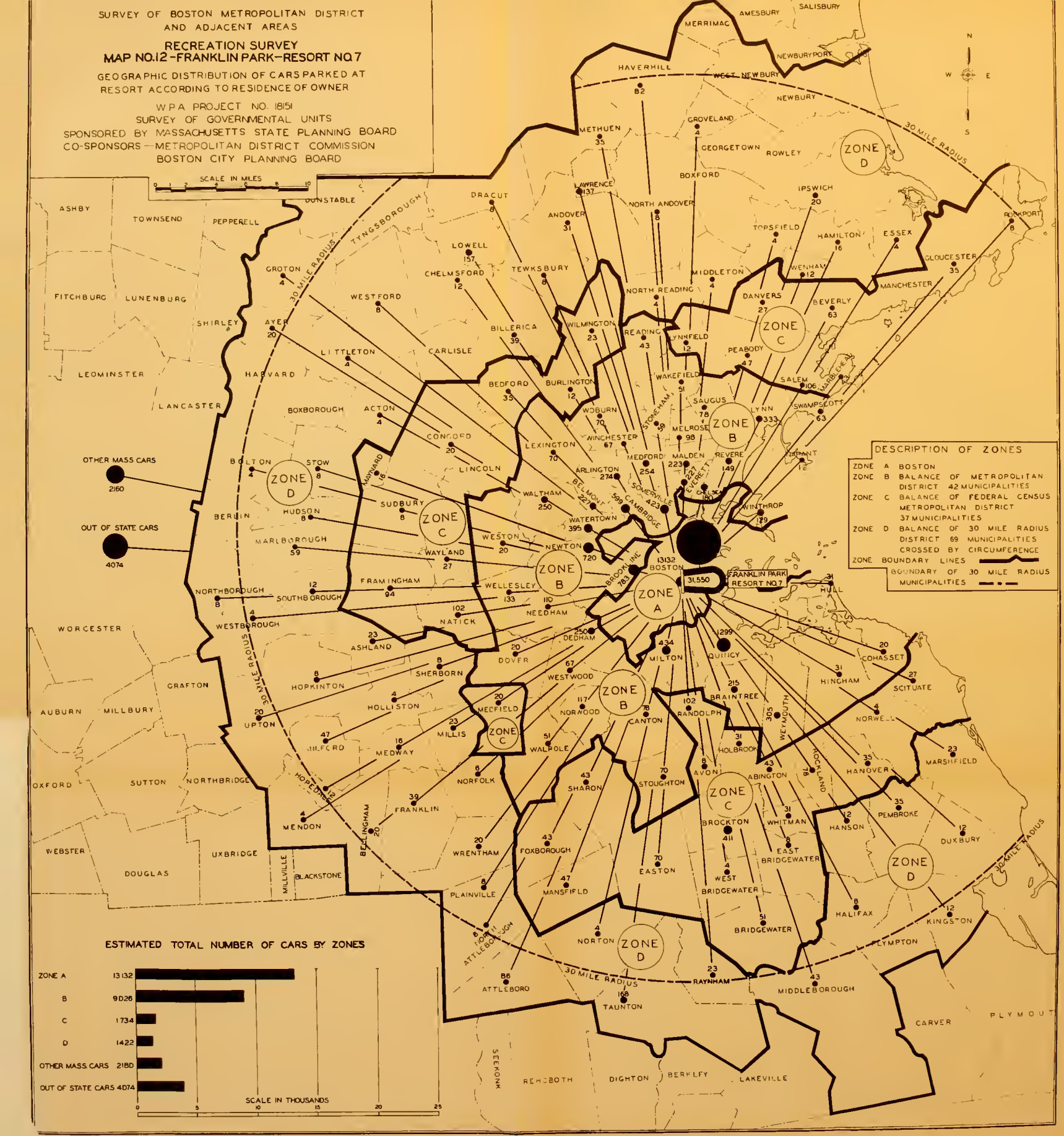
SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

RECREATION SURVEY
MAP NO.12 – FRANKLIN PARK – RESORT NO.7

GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT
RESORT ACCORDING TO RESIDENCE OF OWNER

W P A PROJECT NO. 1815
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS — METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

SCALE IN MILES 0 1 2 3 4 5 6 10



DESCRIPTION OF ZONES

ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES

ESTIMATED TOTAL NUMBER OF CARS BY ZONES

SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS

RECREATION SURVEY
MAP NO. 13 – REVERE BEACH – RESORT NO. 8

GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT RESORT ACCORDING TO RESIDENCE OF OWNER

W P A PROJECT NO 1815
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS — METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD

SCALE IN MILES 0 2 4 6 8 10

OTHER MASS CARS 8968

OUT OF STATE CARS 18009

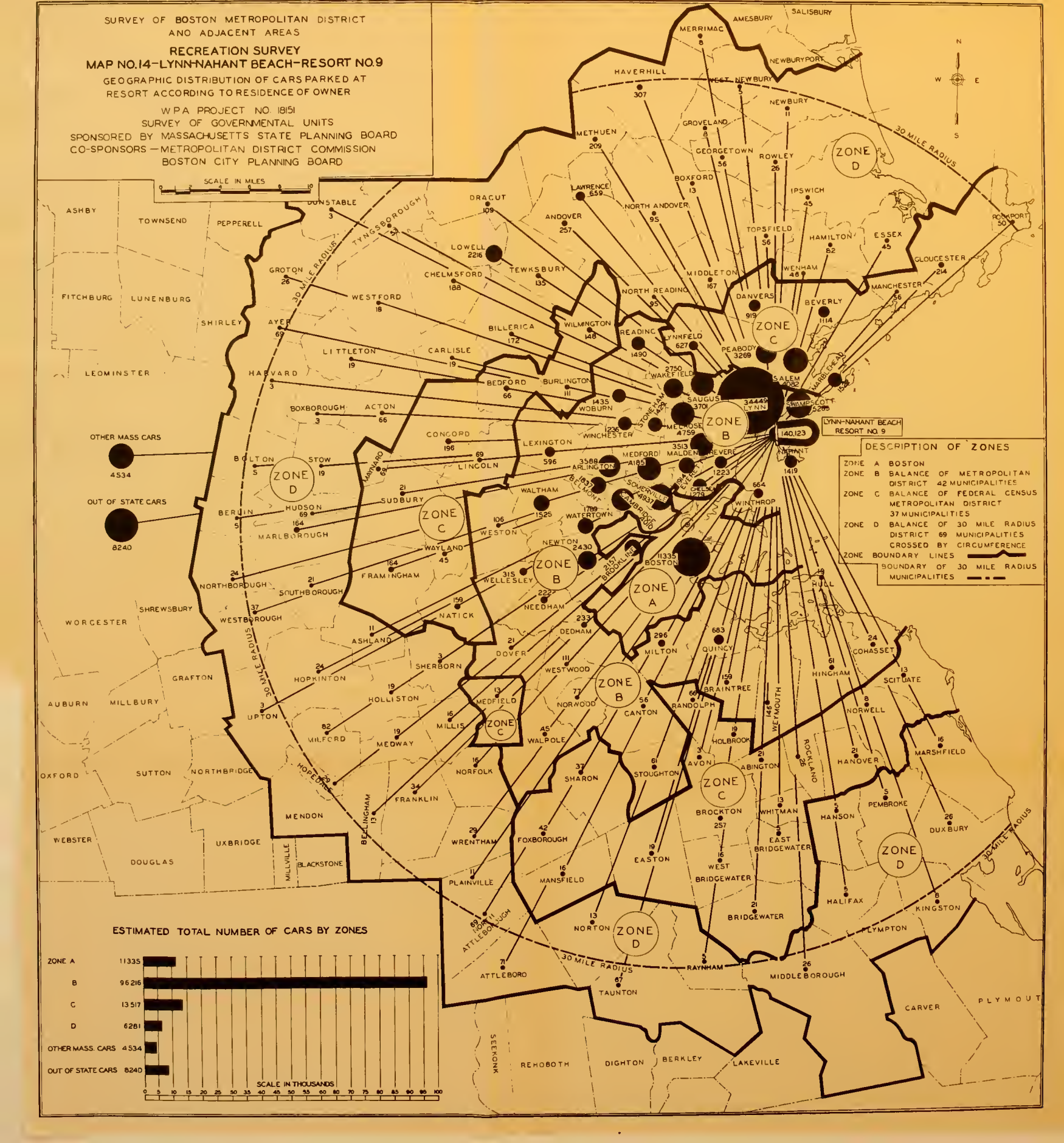
DESCRIPTION OF ZONES

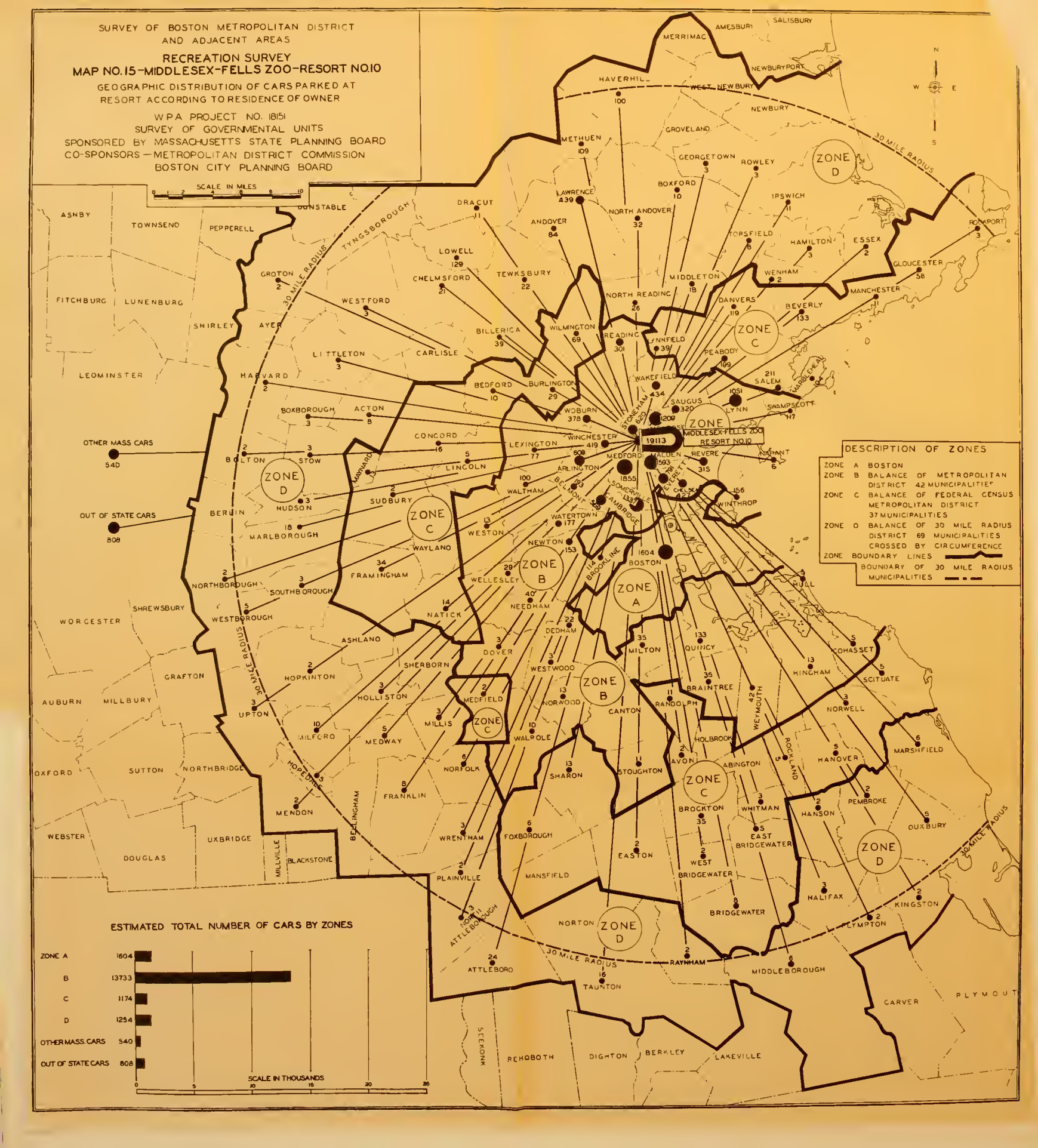
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES

ESTIMATED TOTAL NUMBER OF CARS BY ZONES

ZONE A	26553
B	112535
C	8909
D	6882
OTHER MASS CARS	8968
OUT OF STATE CARS	18009

SCALE IN THOUSANDS 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100


SURVEY OF BOSTON METROPOLITAN DISTRICT
AND ADJACENT AREAS
RECREATION SURVEY
MAP NO. 14 – LYNN-NAHANT BEACH – RESORT NO. 9
GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT RESORT ACCORDING TO RESIDENCE OF OWNER
W.P.A. PROJECT NO. 1815.1
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS – METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD
SCALE IN MILES
LYNN-NAHANT BEACH RESORT NO. 9
140,123
DESCRIPTION OF ZONES
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES
OTHER MASS CARS 4534
OUT OF STATE CARS 8240
ESTIMATED TOTAL NUMBER OF CARS BY ZONES
ZONE A 11335
B 96216
C 13517
D 6281
OTHER MASS. CARS 4534
OUT OF STATE CARS 8240
SCALE IN THOUSANDS
30 MILE RADIUS
ZONE A
ZONE B
ZONE C
ZONE D
BOSTON 11335
LYNN 34449
SALEM 7082
PEABODY 3269
DANVERS 919
BEVERLY 1114
MARBLEHEAD 152
SWAMPSCOTT 5205
NAHANT 1419
LOWELL 2216
LAWRENCE 659
ANDOVER 257
NORTH ANDOVER 95
METHUEN 209
HAVERHILL 307
MERRIMAC 8
AMESBURY
SALISBURY
NEWBURYPORT
WEST NEWBURY
NEWBURY 11
GROVELAND 8
GEORGETOWN 56
ROWLEY 25
IPSWICH 45
ROCKPORT 50
ESSEX 45
HAMILTON 82
WENHAM 46
TOPSFIELD 56
MIDDLETON 167
NORTH READING 95
READING 1490
LYNNFIELD 627
WILMINGTON 148
BILLERICA 172
DRACUT 109
TEWKSBURY 135
CHELMSFORD 188
DUNSTABLE 3
TYNGSBOROUGH 54
GROTON 26
WESTFORD 18
AYER 69
SHIRLEY
FITCHBURG
LUNENBURG
ASHBY
TOWNSEND
PEPPERELL
LITTLETON 19
CARLISLE 19
HARVARD 3
LEOMINSTER
BEDFORD 66
BURLINGTON 111
WOBURN 1435
WAKEFIELD 2750
STONEHAM 1429
MELROSE 4759
WINCHESTER 1236
BOXBOROUGH 3
ACTON 66
CONCORD 196
LEXINGTON 596
LINCOLN 69
BOLTON 5
STOW 19
MAYNARD 69
SUDBURY 21
BERLIN 5
HUDSON 69
MARLBOROUGH 164
ARLINGTON 3588
MEDFORD 4185
MALDEN 3513
REVERE 1223
CHELSEA 1278
WINTHROP 664
WALTHAM 1525
BELMONT 857
WATERTOWN 1789
SOMERVILLE 4831
CAMBRIDGE
WESTON 106
WAYLAND 45
NEWTON 2430
WELLESLEY 315
NORTHBOROUGH 24
SOUTHBOROUGH 21
FRAMINGHAM 164
WORCESTER
SHREWSBURY
WESTBOROUGH 37
NATICK 159
NEEDHAM 222
DEDHAM 233
ASHLAND 11
DOVER 21
SHERBORN 3
HOPKINTON 24
GRAFTON
AUBURN
MILLBURY
UPTON 3
HOLLISTON 19
MILFORD 82
MEDWAY 19
MILLIS 16
MEDFIELD 13
WESTWOOD 111
NORWOOD 77
WALPOLE 45
MILTON 296
QUINCY 683
BRAINTREE 159
RANDOLPH 66
CANTON 56
HOLBROOK 19
WEYMOUTH 145
COHASSET 24
HINGHAM 61
SCITUATE 13
NORWELL 8
HANOVER 24
MARSHFIELD 16
ROCKLAND 26
ABINGTON 21
AVON 3
STOUGHTON 61
SHARON 37
NORFOLK 16
FRANKLIN 34
HOPEDALE 28
BELLINGHAM 13
MENDON
OXFORD
SUTTON
NORTHBRIDGE
WEBSTER
DOUGLAS
UXBRIDGE
MILLVILLE
BLACKSTONE
WRENTHAM 29
FOXBOROUGH 42
PLAINVILLE 11
MANSFIELD 16
EASTON 19
BROCKTON 257
WEST BRIDGEWATER 16
EAST BRIDGEWATER 5
WHITMAN 13
HANSON 5
PEMBROKE 5
DUXBURY 26
HALIFAX 5
BRIDGEWATER 21
KINGSTON 8
PLYMPTON
NORTON 13
NORTH ATTLEBOROUGH 69
ATTLEBORO 71
TAUNTON 67
RAYNHAM 5
MIDDLEBOROUGH 26
CARVER
PLYMOUT
SEEKONK
REHOBOTH
DIGHTON
BERKLEY
LAKEVILLE


SURVEY OF BOSTON METROPOLITAN DISTRICT AND ADJACENT AREAS
RECREATION SURVEY
MAP NO. 15 - MIDDLESEX-FELLS ZOO - RESORT NO. 10
GEOGRAPHIC DISTRIBUTION OF CARS PARKED AT RESORT ACCORDING TO RESIDENCE OF OWNER
W P A PROJECT NO. 18151
SURVEY OF GOVERNMENTAL UNITS
SPONSORED BY MASSACHUSETTS STATE PLANNING BOARD
CO-SPONSORS — METROPOLITAN DISTRICT COMMISSION
BOSTON CITY PLANNING BOARD
SCALE IN MILES
DESCRIPTION OF ZONES
ZONE A BOSTON
ZONE B BALANCE OF METROPOLITAN DISTRICT 42 MUNICIPALITIES
ZONE C BALANCE OF FEDERAL CENSUS METROPOLITAN DISTRICT 37 MUNICIPALITIES
ZONE D BALANCE OF 30 MILE RADIUS DISTRICT 69 MUNICIPALITIES CROSSED BY CIRCUMFERENCE
ZONE BOUNDARY LINES
BOUNDARY OF 30 MILE RADIUS MUNICIPALITIES
ESTIMATED TOTAL NUMBER OF CARS BY ZONES
ZONE A 1604
B 13733
C 1174
D 1254
OTHER MASS. CARS 540
OUT OF STATE CARS 808
SCALE IN THOUSANDS
MIDDLESEX-FELLS ZOO RESORT NO. 10
19113
30 MILE RADIUS
OTHER MASS CARS 540
OUT OF STATE CARS 808
BOSTON 1604
CAMBRIDGE 1338
SOMERVILLE 1855
MEDFORD 1593
MALDEN 1209
LYNN 1051
SALEM 211
LAWRENCE 439
LOWELL 129
HAVERHILL 100
NEWBURYPORT
AMESBURY
SALISBURY
MERRIMAC
NEWBURY
WEST NEWBURY
GROVELAND
METHUEN 109
GEORGETOWN 3
ROWLEY 3
IPSWICH 11
ROCKPORT 3
GLOUCESTER 58
MANCHESTER 11
BEVERLY 133
DANVERS 119
PEABODY 169
SWAMPSCOTT 17
NAHANT 6
REVERE 315
WINTHROP 156
HULL
COHASSET 5
SCITUATE 5
HINGHAM 13
NORWELL 3
MARSHFIELD 6
HANOVER 5
PEMBROKE 2
HANSON 2
DUXBURY 5
KINGSTON 2
PLYMPTON 2
HALIFAX 3
MIDDLEBOROUGH 6
RAYNHAM 2
TAUNTON 16
ATTLEBORO 24
NORTH ATTLEBOROUGH 13
NORTON
MANSFIELD
EASTON 2
STOUGHTON 11
BRIDGEWATER 8
WEST BRIDGEWATER 2
EAST BRIDGEWATER 5
BROCKTON 35
ABINGTON
WHITMAN 3
AVON 2
HOLBROOK
RANDOLPH 11
MILTON 35
QUINCY 133
BRAINTREE 35
WEYMOUTH 42
ROCKLAND
CANTON
NORWOOD 13
WESTWOOD 3
DEDHAM 22
NEEDHAM 40
WELLESLEY 28
NEWTON 153
WATERTOWN 177
WALTHAM 100
ARLINGTON 609
LEXINGTON 419
WINCHESTER 378
WOBURN 434
STONEHAM 620
WAKEFIELD 434
READING 301
LYNNFIELD 39
NORTH READING 26
WILMINGTON 69
BILLERICA 39
TEWKSBURY 22
CHELMSFORD 21
DRACUT 11
ANDOVER 84
NORTH ANDOVER 32
BOXFORD 10
TOPSFIELD 6
HAMILTON 3
ESSEX 2
WENHAM 2
MIDDLETON 18
TYNGSBOROUGH
DUNSTABLE
ASHBY
TOWNSEND
PEPPERELL
GROTON 2
WESTFORD 3
CARLISLE
LITTLETON 3
HARVARD 2
BOXBOROUGH 3
ACTON 8
BEDFORD 10
BURLINGTON 29
CONCORD 16
LINCOLN 5
SUDBURY 2
WAYLAND
FRAMINGHAM 34
NATICK 14
SHERBORN
DOVER 3
MEDFIELD 2
MILLIS 3
WALPOLE 10
NORFOLK 6
FRANKLIN 8
MEDWAY 5
MILFORD 10
HOPEDALE 3
MENDON 2
UPTON 3
HOPKINTON 2
HOLLISTON 3
ASHLAND
NORTHBOROUGH 2
SOUTHBOROUGH 3
WESTBOROUGH 5
SHREWSBURY
WORCESTER
GRAFTON
AUBURN
MILLBURY
SUTTON
NORTHBRIDGE
OXFORD
WEBSTER
UXBRIDGE
DOUGLAS
BLACKSTONE
MILLVILLE
BERLIN
MARLBOROUGH 18
HUDSON 3
BOLTON 2
STOW 3
MAYNARD
LUNENBURG
FITCHBURG
LEOMINSTER
SHIRLEY
AYER
SEEKONK
REHOBOTH
DIGHTON
BERKLEY
LAKEVILLE
CARVER
PLYMOUTH
ZONE A
ZONE B
ZONE C
ZONE D

Form No.31

Weather: Check One
Clear
Rain
Cloudy

DAILY ATTENDANCE TALLY

SHEET FOR EACH PARKING AREA

APPENDIX #1

Date_____

Name_____

Resort #_____

Station #_____

Sheet #_____

Field Instructions: Record the registration numbers of all Mass. cars and the name of the state of all out-of-state cars under column titled "Car Registration." Record also the total number of persons in each car for as many cars as possible under column titled "No. of Persons." Fill out the blanks in the upper right and left hand corners. Fill completely this sheet, but do not fill in "totals" on bottom line. Continue record with as many sheets as required for the day's record. Mail this sheet at the end of each day to headquarters and start the following day's work with a new sheet.

Car Registration	# of Persons	Car Registration	# of Persons	Car Registration	# of Persons	Car Registration	# of Persons
TOTALS							

Date	Resort Number											
	1	2	3	4	5	6	7	8	9	10		Total
Aug. 18												
" 19												
" 20												
" 21												
" 22												
" 23												
" 24												
" 25												
" 26												
" 27												
" 28												
" 29												
" 30												
" 31												
Sept. 1												
" 2												
" 3												
" 4												
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
Total												